Site Number: SB001						
Recorded By: Kelly Chiene						
Job Number: 10-107353						
Date: 5/3/11						
Time: 10:17 a.m.						
Location: On-site, northwest	ern portion					
Source of Peak Noise: Ttraf	fic along Marina Drive and 1st S	Street; plane				
	Nois	e Data				
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)			
50.1	36.9	63.9	87.9			

Equipment								
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note		
	Sound Level Meter	Brüel & Kja	ær 2250	2548189	11/14/2007			
Sound	Microphone	Brüel & Kja	ær 4189	2543364	11/15/2007			
Souria	Preamp	Brüel & Kja	ær ZC 0032	4265	7/18/2006			
	Calibrator	Brüel & Kja	ær 4231	2545667	7/31/2006			
			Weather Data					
	Duration: 10 min	utes		Sky: ☆				
	Note: dBA Offset	=-0.2		Sensor Height (ft): 5	5 ft			
Est.	Wind Ave Speed	(mph / m/s)	Temperature (deg	grees Fahrenheit)	Barometer Press	ure (hPa)		
	2		8	5	1015.6			

Photo of Measurement Location





2250

Instrument:	2250
Application:	BZ7225 Version 2.0.2
Start Time:	05/03/2011 10:16:56
End Time:	05/03/2011 10:26:56
Elapsed Time:	00:10:00
Bandwidth:	1/3-octave
Max Input Level:	140.17

	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		С
Spectrum:	FS	Ζ

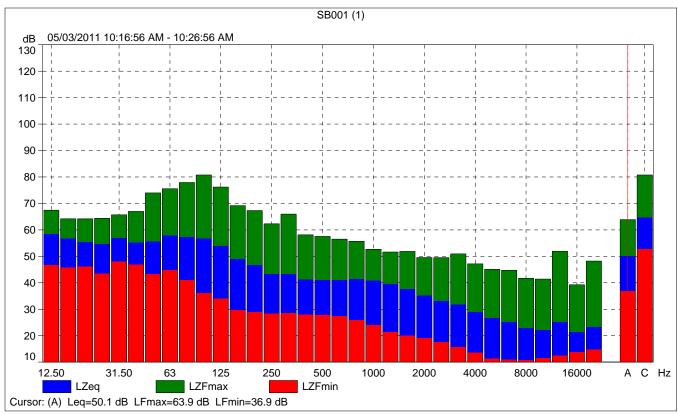
Instrument Serial Number:	2548189
Microphone Serial Number:	2543364
Input:	Top Socket
Windscreen Correction:	UA-1650
Sound Field Correction:	Diffuse-field

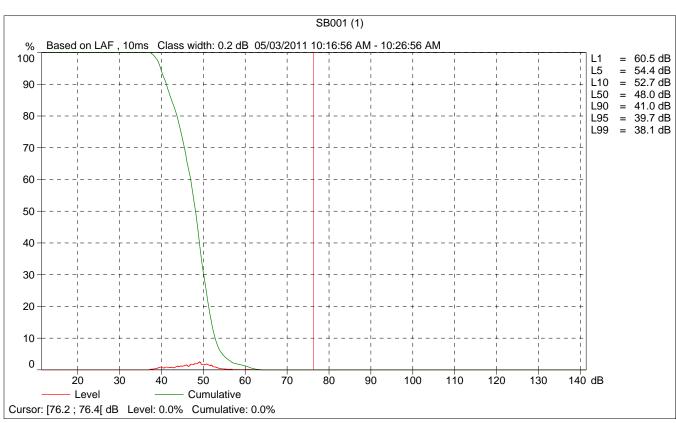
Calibration Time:	05/03/2011 09:04:54
Calibration Type:	External reference
Sensitivity:	54.69 mV/Pa

SB001 (1)

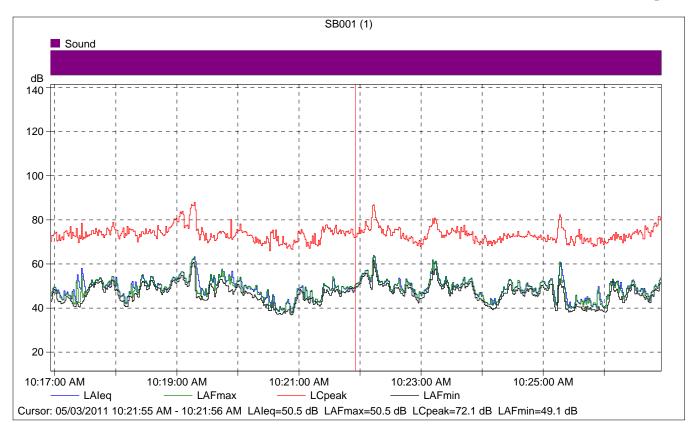
	Start	End	Elapsed	Overload	LAeq	LAFmax	LAFmin
	time	time	time	[%]	[dB]	[dB]	[dB]
Value				0.00	50.1	63.9	36.9
Time	10:16:56 AM	10:26:56 AM	0:10:00				
Date	05/03/2011	05/03/2011					







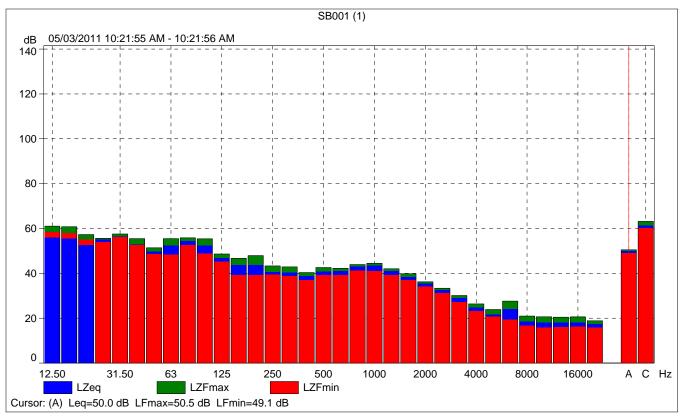


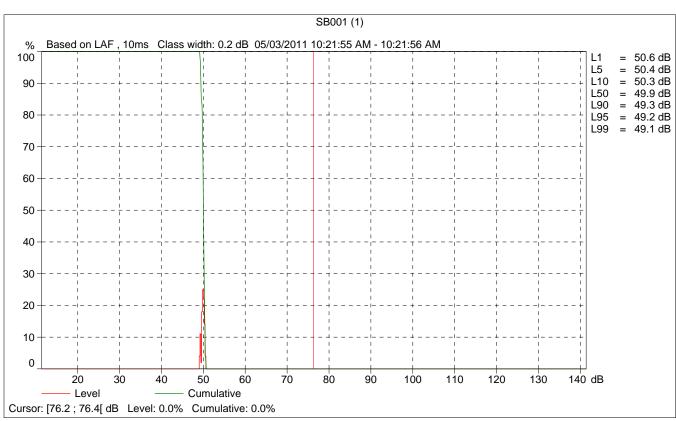


SB001 (1)

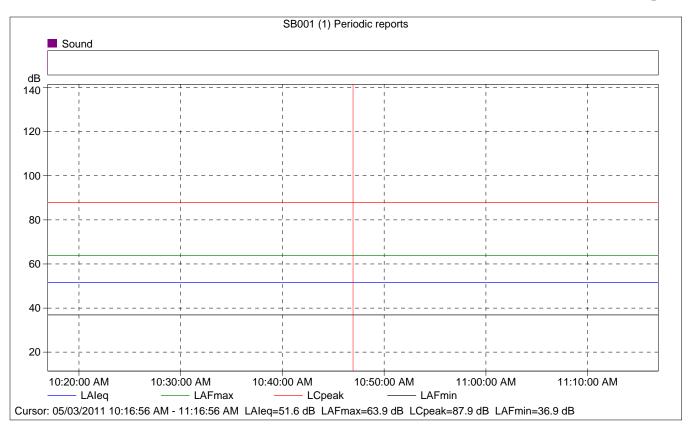
	Start	Elapsed	LAleq	LAFmax	LAFmin
	time	time	[dB]	[dB]	[dB]
Value			50.5	50.5	49.1
Time	10:21:55 AM	0:00:01			
Date	05/03/2011				







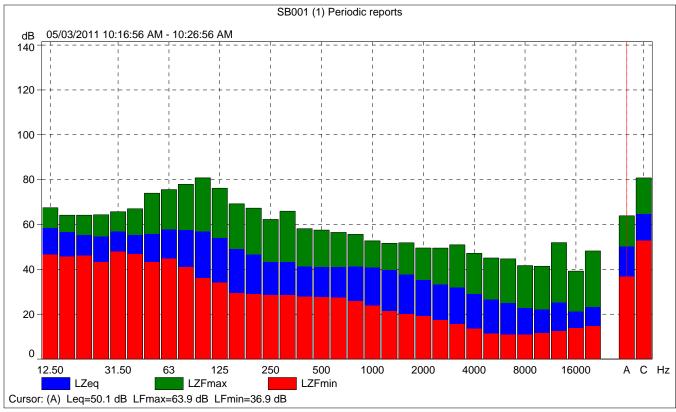


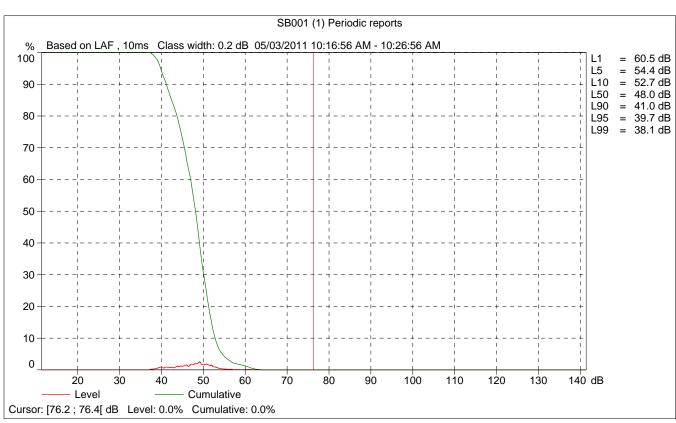


SB001 (1) Periodic reports

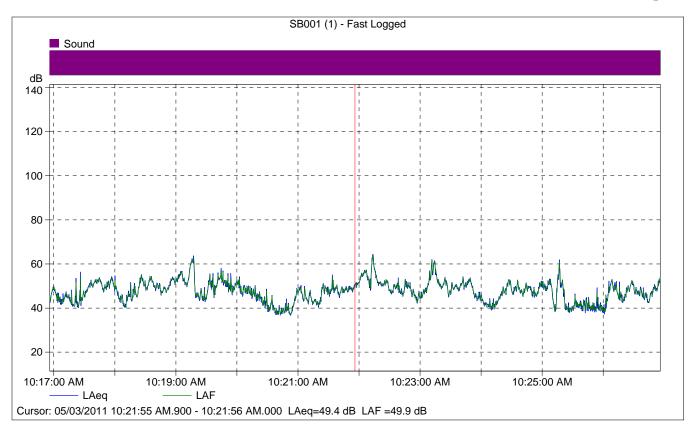
	Start	Elapsed	Overload	LAleq	LAFmax	LAFmin
	time	time	[%]	[dB]	[dB]	[dB]
Value			0.00	51.6	63.9	36.9
Time	10:16:56 AM	0:10:00				
Date	05/03/2011					











SB001 (1) - Fast Logged

	Start	Elapsed	LAeq
	time	time	[dB]
Value			49.4
Time	10:21:55 AM.900	0:00:00.100	
Date	05/03/2011		

Site Number: SB002	Site Number: SB002						
Recorded By: Kelly Chiene							
Job Number: 10-107353							
Date: 5/3/11							
Time: 11:28 a.m.							
Location: Residential uses, of	corner of Ocean Avenue and 1s	t Street					
Source of Peak Noise: Traff	ic along Ocean Avenue and 1st	Street; motorcycles, power tool	, helicopter				
	Noise Data						
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)				
60.0	43.6	78.5	98.3				

	Equipment								
Category	Type	Vendor		Model	Serial No.	Cert. Date	Note		
	Sound Level Meter	Brüel & Kj	ær	2250	2548189	11/14/2007			
Sound	Microphone	Brüel & Kj	ær	4189	2543364	11/15/2007			
Souria	Preamp	Brüel & Kj	ær	ZC 0032	4265	7/18/2006			
	Calibrator	Brüel & Kj	ær	4231	2545667	7/31/2006			
			٧	Veather Data					
	Duration: 10 min	utes			Sky: ☆				
	Note: dBA Offset :	=-0.2			Sensor Height (ft): 5	5 ft			
Est.	Wind Ave Speed	(mph / m/s)	Ten	nperature (deg	rees Fahrenheit)	Barometer Press	ure (hPa)		
	1.8		82.		6	1014.8			

Photo of Measurement Location





2250

Instrument:	2250
Application:	BZ7225 Version 2.0.2
Start Time:	05/03/2011 11:28:00
End Time:	05/03/2011 11:38:00
Elapsed Time:	00:10:00
Bandwidth:	1/3-octave
Max Input Level:	140.17

	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		С
Spectrum:	FS	Z

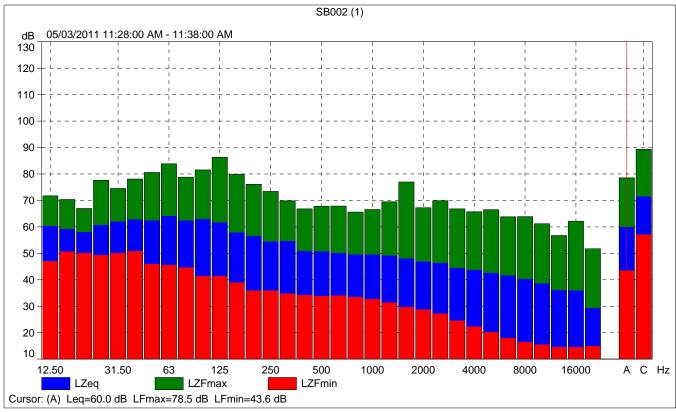
Instrument Serial Number:	2548189
Microphone Serial Number:	2543364
Input:	Top Socket
Windscreen Correction:	UA-1650
Sound Field Correction:	Diffuse-field

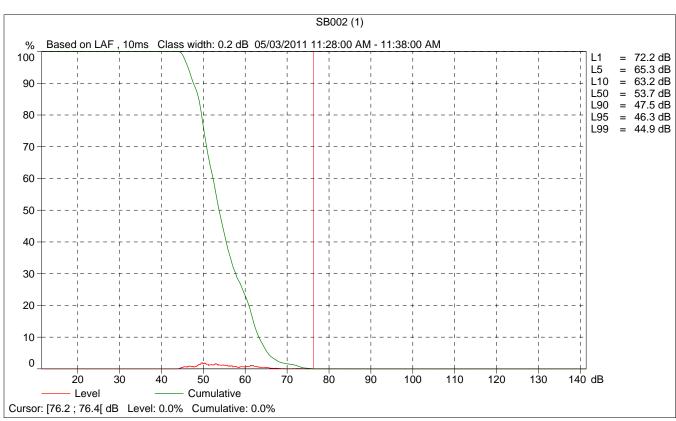
Calibration Time:	05/03/2011 09:04:54
Calibration Type:	External reference
Sensitivity:	54.69 mV/Pa

SB002 (1)

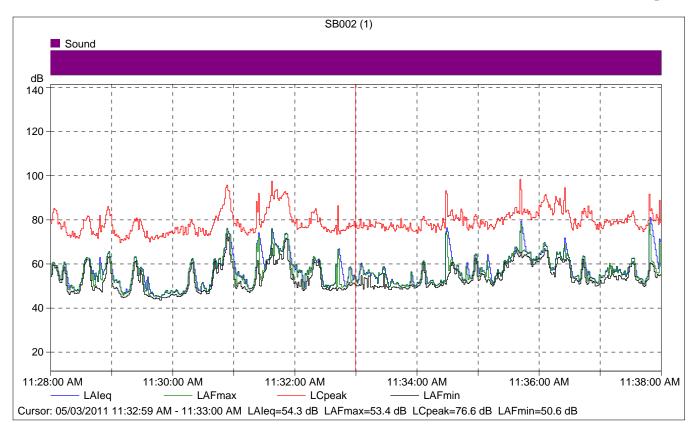
	Start	End	Elapsed	Overload	LAeq	LAFmax	LAFmin
	time	time	time	[%]	[dB]	[dB]	[dB]
Value				0.00	60.0	78.5	43.6
Time	11:28:00 AM	11:38:00 AM	0:10:00				
Date	05/03/2011	05/03/2011					







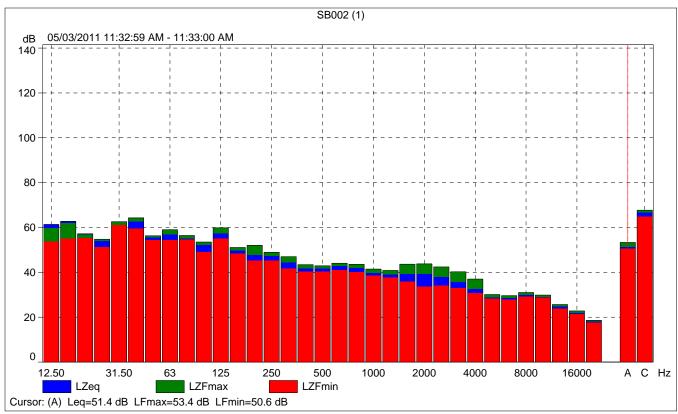


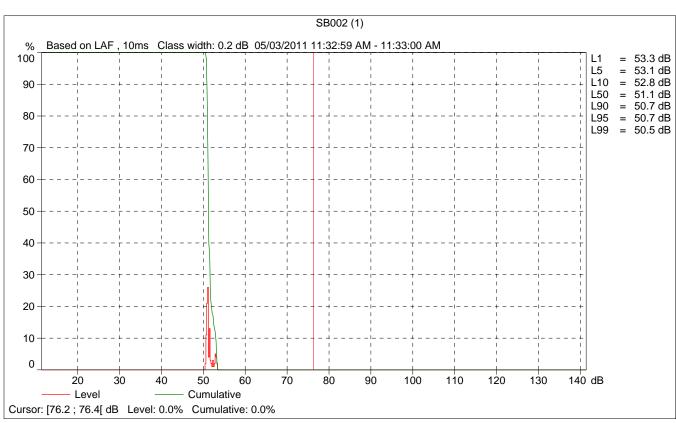


SB002 (1)

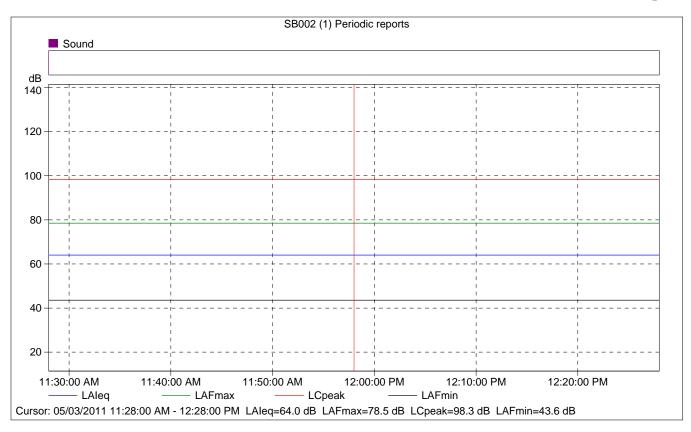
	Start	Elapsed	LAleq	LAFmax	LAFmin
	time	time	[dB]	[dB]	[dB]
Value			54.3	53.4	50.6
Time	11:32:59 AM	0:00:01			
Date	05/03/2011				







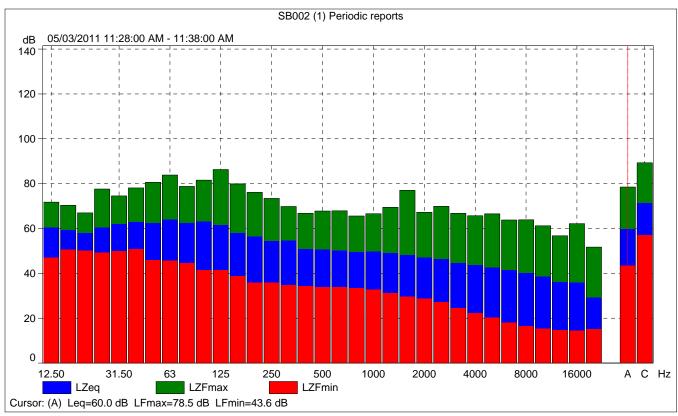


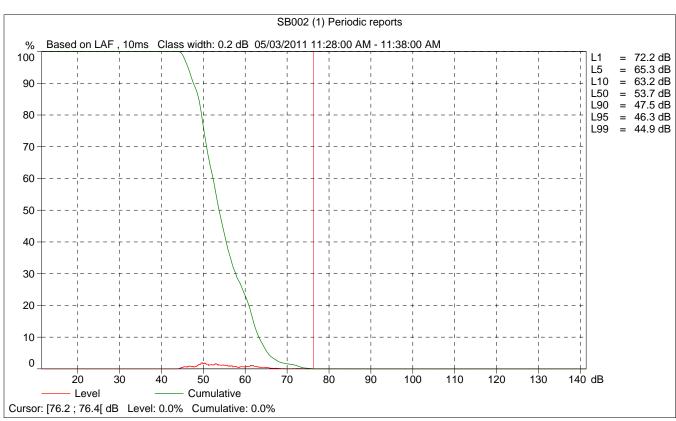


SB002 (1) Periodic reports

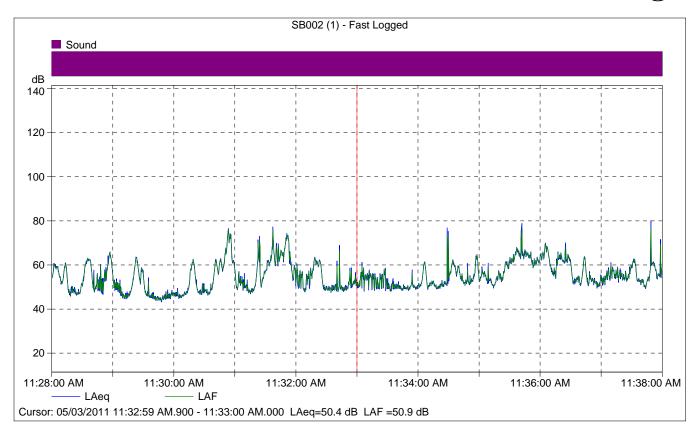
	Start	Elapsed	Overload	LAleq	LAFmax	LAFmin
	time	time	[%]	[dB]	[dB]	[dB]
Value			0.00	64.0	78.5	43.6
Time	11:28:00 AM	0:10:00				
Date	05/03/2011					











SB002 (1) - Fast Logged

	Start	Elapsed	LAeq
	time	time	[dB]
Value			50.4
Time	11:32:59 AM.900	0:00:00.100	
Date	05/03/2011		

Site Number: SB003					
Recorded By: Kelly Chiene					
Job Number: 10-107353					
Date: 5/3/11					
Time: 1:05 p.m.					
Location: Residential uses,	corner of 1st Street and Centra	al Way			
Source of Peak Noise: Traffic along Central Way and 1st Street; wind					
Noise Data					
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)		
53.0	46.2	64 9	89 9		

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
	Sound Level Meter	Brüel & Kj	ær 2250	2548189	11/14/2007	
Sound	Microphone	Brüel & Kj	ær 4189	2543364	11/15/2007	
Souria	Preamp	Brüel & Kj	ær ZC 0032	4265	7/18/2006	
	Calibrator	Brüel & Kj	ær 4231	2545667	7/31/2006	
			Weather Data			
	Duration: 10 min	utes		Sky: ☆		
	Note: dBA Offset	=-0.2		Sensor Height (ft):	5 ft	
Est.	Wind Ave Speed	d (mph / m/s) Temperature (degrees Fahrenheit) Barometer Pressure (ure (hPa)	
	1.2		79.5 1014.1			

Photo of Measurement Location





2250

Instrument:	2250
Application:	BZ7225 Version 2.0.2
Start Time:	05/03/2011 13:05:30
End Time:	05/03/2011 13:15:30
Elapsed Time:	00:10:00
Bandwidth:	1/3-octave
Max Input Level:	140.17

	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		С
Spectrum:	FS	Ζ

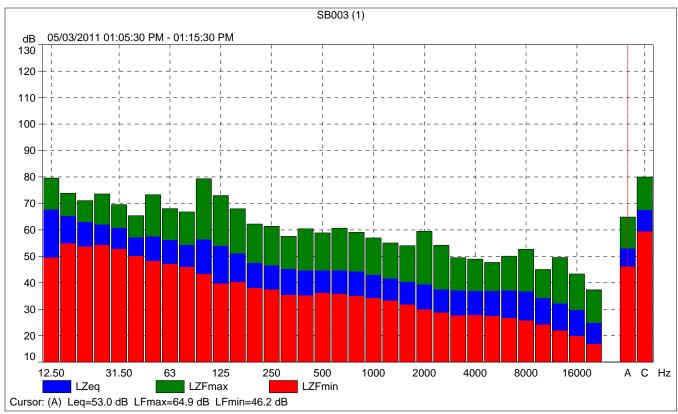
Instrument Serial Number:	2548189
Microphone Serial Number:	2543364
Input:	Top Socket
Windscreen Correction:	UA-1650
Sound Field Correction:	Diffuse-field

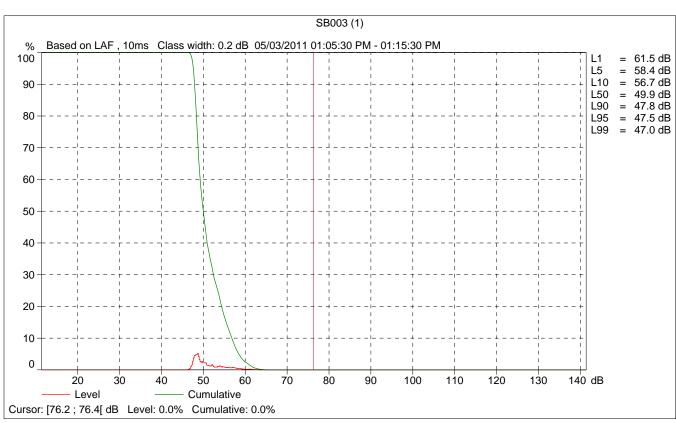
Calibration Time:	05/03/2011 09:04:54
Calibration Type:	External reference
Sensitivity:	54.69 mV/Pa

SB003 (1)

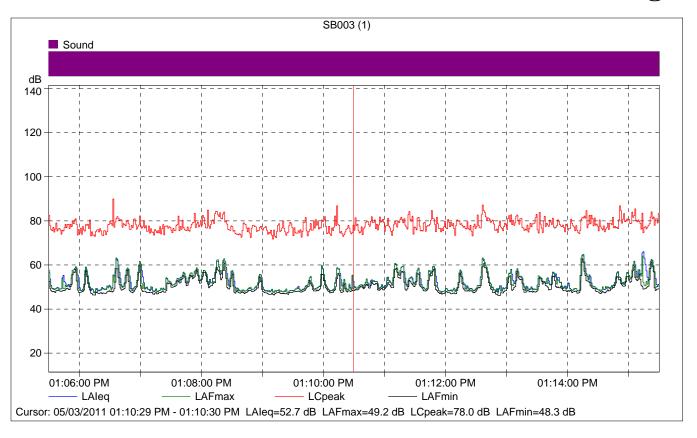
	Start	End	Elapsed	Overload	LAeq	LAFmax	LAFmin
	time	time	time	[%]	[dB]	[dB]	[dB]
Value				0.00	53.0	64.9	46.2
Time	01:05:30 PM	01:15:30 PM	0:10:00				
Date	05/03/2011	05/03/2011					







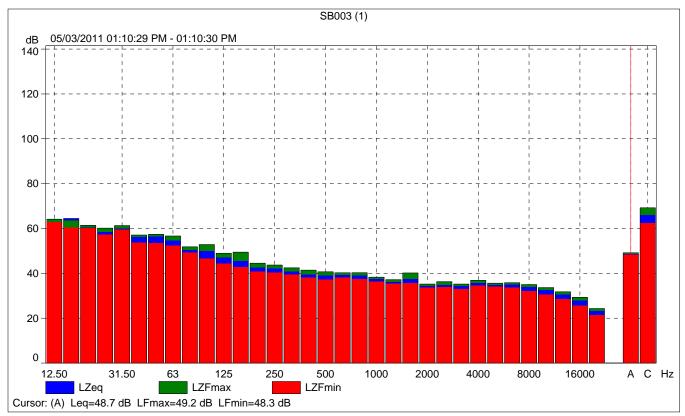


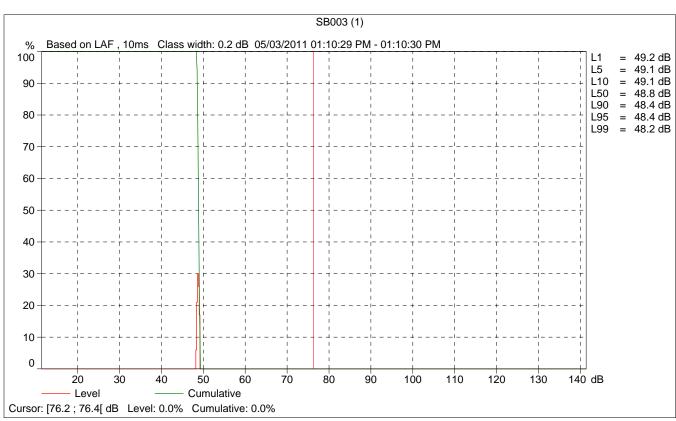


SB003 (1)

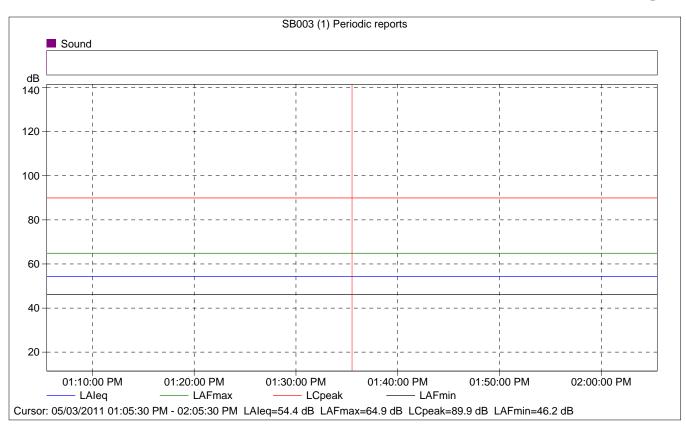
	Start	Elapsed	LAleq	LAFmax	LAFmin
	time	time	[dB]	[dB]	[dB]
Value			52.7	49.2	48.3
Time	01:10:29 PM	0:00:01			
Date	05/03/2011				







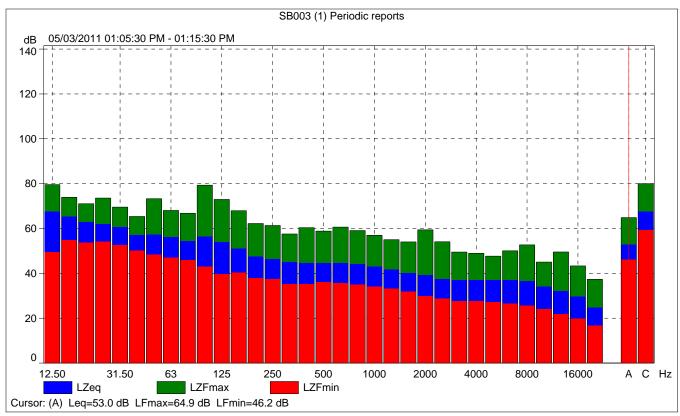


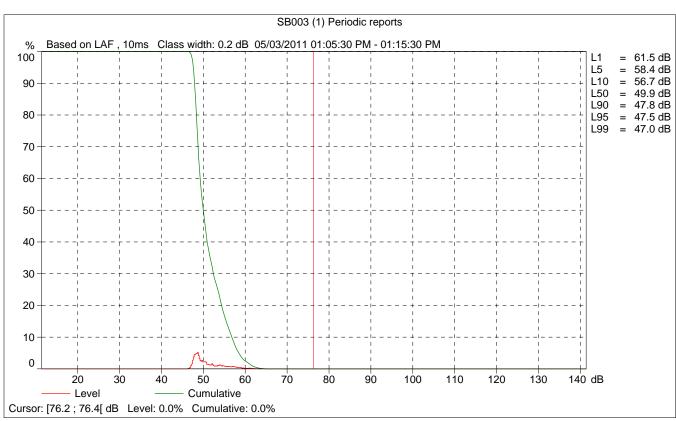


SB003 (1) Periodic reports

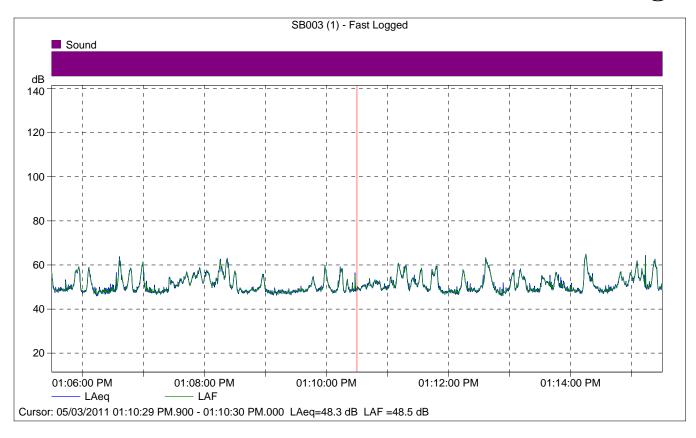
	Start	Elapsed	Overload	LAleq	LAFmax	LAFmin
	time	time	[%]	[dB]	[dB]	[dB]
Value			0.00	54.4	64.9	46.2
Time	01:05:30 PM	0:10:00				
Date	05/03/2011					











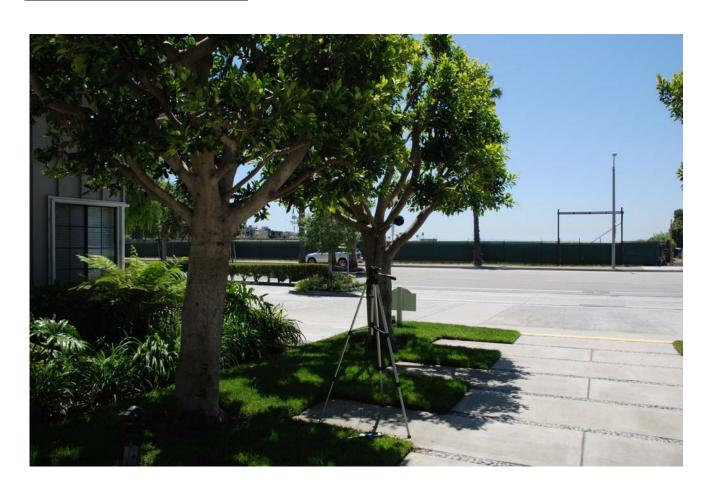
SB003 (1) - Fast Logged

	Start	Elapsed	LAeq
	time	time	[dB]
Value			48.3
Time	01:10:29 PM.900	0:00:00.100	
Date	05/03/2011		

Site Number: SB004	Site Number: SB004						
Recorded By: Kelly Chiene							
Job Number: 10-107353							
Date: 5/3/11							
Time: 1:21 p.m.							
Location: River Beach Town	homes, along Marina Drive						
Source of Peak Noise: Traffic along Marina Drive							
Noise Data							
Leq (dB)	Lmin (dB)	Lmax (dB)	Peak (dB)				
57.0	48.0	70.6	90.6				

Equipment						
Category	Type	Vendor	Model	Serial No.	Cert. Date	Note
	Sound Level Meter	Brüel & Kja	ær 2250	2548189	11/14/2007	
Sound	Microphone	Brüel & Kja	ær 4189	2543364	11/15/2007	
Souria	Preamp	Brüel & Kja	ær ZC 0032	4265	7/18/2006	
	Calibrator	Brüel & Kja	ær 4231	2545667	7/31/2006	
			Weather Data			
	Duration: 10 minutes Sky: ☆					
	Note: dBA Offset	=-0.2		Sensor Height (ft): 5	5 ft	
Est.	Wind Ave Speed	(mph / m/s) Temperature (degrees Fahrenheit) Barometer Pressure		ure (hPa)		
	3		72 1013.8			

Photo of Measurement Location





2250

Instrument:	2250
Application:	BZ7225 Version 2.0.2
Start Time:	05/03/2011 13:21:50
End Time:	05/03/2011 13:31:50
Elapsed Time:	00:10:00
Bandwidth:	1/3-octave
Max Input Level:	140.17

	Time	Frequency
Broadband (excl. Peak):	FSI	AC
Broadband Peak:		С
Spectrum:	FS	Ζ

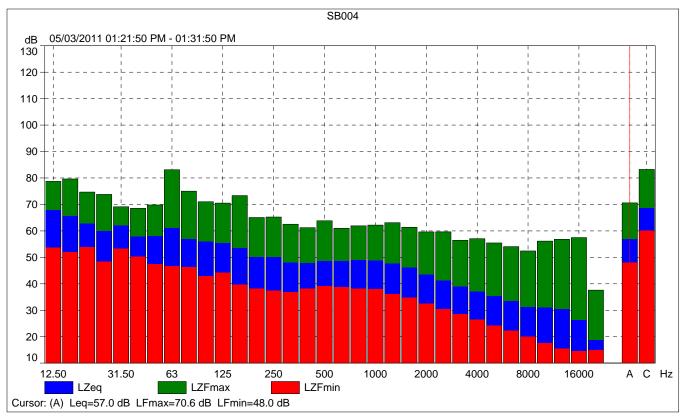
Instrument Serial Number:	2548189
Microphone Serial Number:	2543364
Input:	Top Socket
Windscreen Correction:	UA-1650
Sound Field Correction:	Diffuse-field

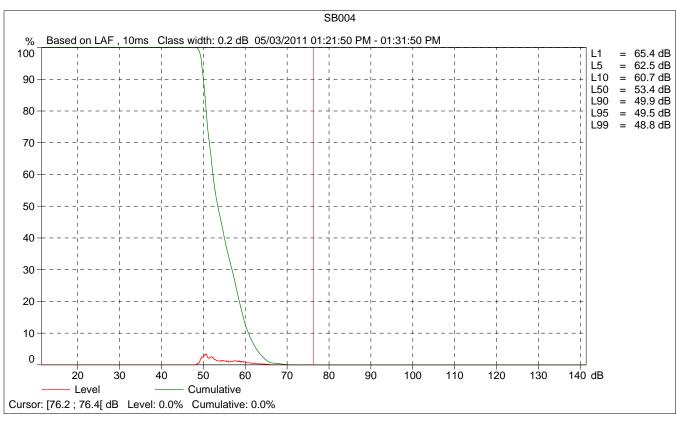
Calibration Time:	05/03/2011 09:04:54
Calibration Type:	External reference
Sensitivity:	54.69 mV/Pa

SB004

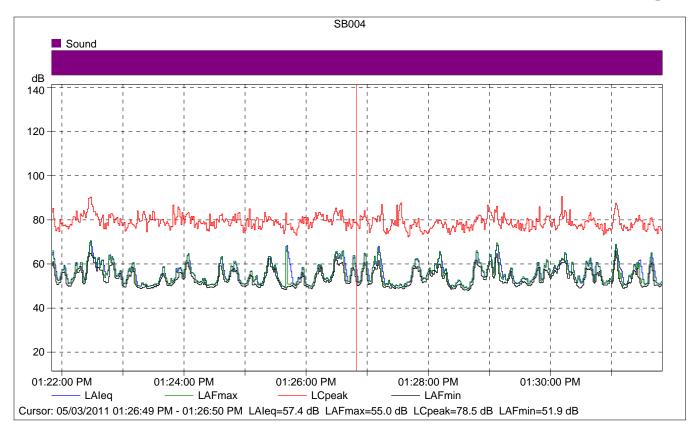
	Start	End	Elapsed	Overload	LAeq	LAFmax	LAFmin
	time	time	time	[%]	[dB]	[dB]	[dB]
Value				0.00	57.0	70.6	48.0
Time	01:21:50 PM	01:31:50 PM	0:10:00				
Date	05/03/2011	05/03/2011					







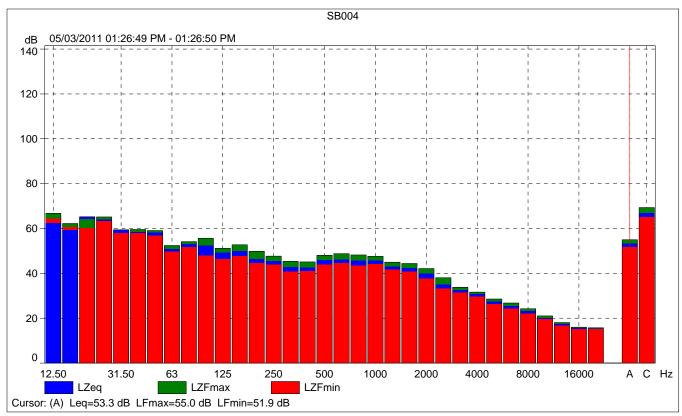


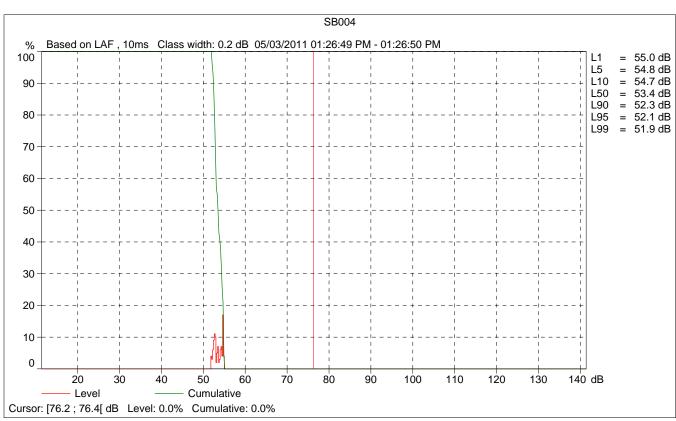


SB004

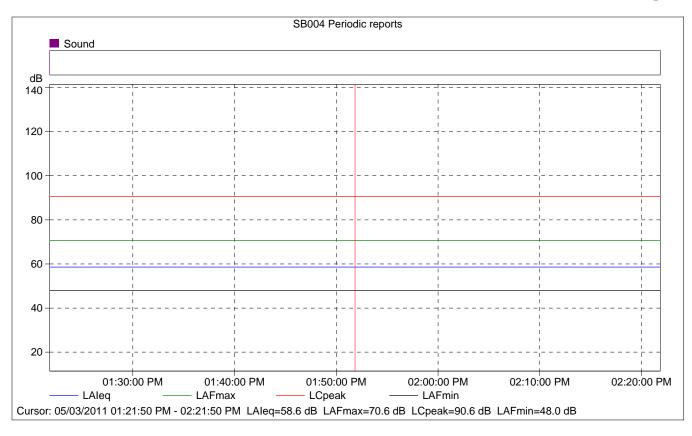
	Start	Elapsed	LAleq	LAFmax	LAFmin
	time	time	[dB]	[dB]	[dB]
Value			57.4	55.0	51.9
Time	01:26:49 PM	0:00:01			
Date	05/03/2011				







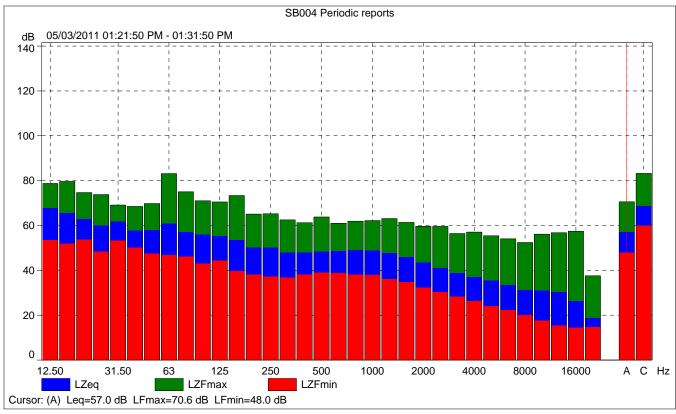


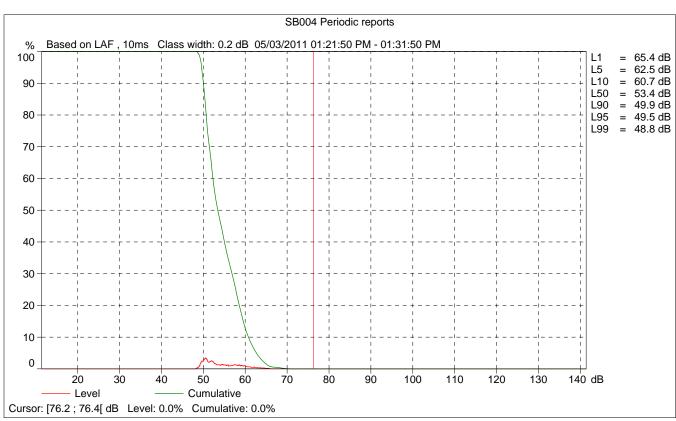


SB004 Periodic reports

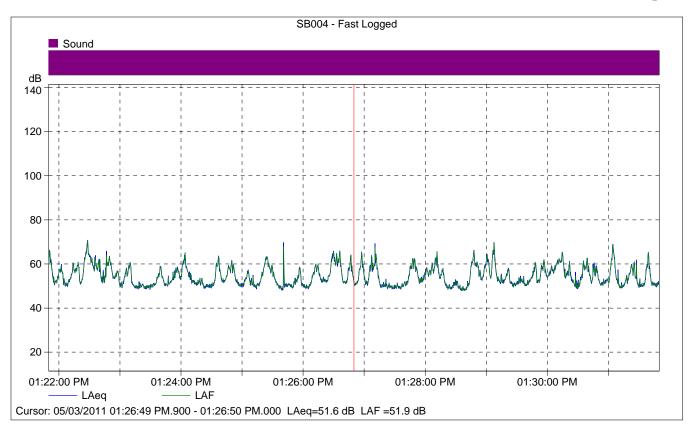
	Start	Elapsed	Overload	LAleq	LAFmax	LAFmin
	time	time	[%]	[dB]	[dB]	[dB]
Value			0.00	58.6	70.6	48.0
Time	01:21:50 PM	0:10:00				
Date	05/03/2011					











SB004 - Fast Logged

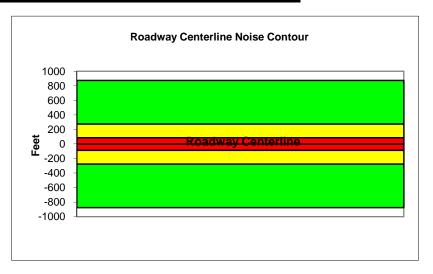
	Start	Elapsed	LAeq
	time	time	[dB]
Value			51.6
Time	01:26:49 PM.900	0:00:00.100	
Date	05/03/2011		

		eral Highway Adr ffic Noise Predict							
Project Name:	, ,								
Analyst:	Kelly Chiene	•		Job #:	10-107353				
Roadway:	PCH								
Road Segment:	North of 1st St.								
	PROJECT DATA			5	ITE DATA				
Centerline Dist to E	Barrier	0	Road Grade:		0				
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	37345				
Receiver Barrier Di	st:	0	Peak Hour T	raffic:	3734.5				
Centerline Dist. To	Observer:	100	Vehicle Speed: 40						
Barrier Near Lane	CL Dist:	0	Centerline Se	eparation:	40				
Barrier Far lane CL	. Dist:	0	NOISE INPUTS						
Pad Elevation:		0.5	Site condition	ns HARD S I	TE				
Road Elevation:		0	FLEET MIX						
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily		
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft View	r: -90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE S	OURCE ELEVATION	IS (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0		-		-	-		
Medium Trucks:		2.3							
Heavy Trucks:		8							

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	57.1	65.9	64.1	58.1	66.7	67.3				
Medium Trucks:	66.1	58.0	51.6	50.1	58.6	58.8				
Heavy Trucks:	70.9	59.0	50.0	51.2	60.9	61.0				
Vehicle Noise:	73.3	67.5	64.6	59.6	68.2	68.7				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	875						
65 dBA	277						
70 dBA	88						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Project Name: **DWP Specific Plan Amendment Project** Scenario: Existing Kelly Chiene Job #: 10-107353 Analyst: Roadway: **PCH** Road Segment: South of 1st St. PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 35495 Peak Hour Traffic: 3549.5 Receiver Barrier Dist: 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 43 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 FLEET MIX Road Elevation: 0 Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074 Autos: Medium Trucks: 2.3

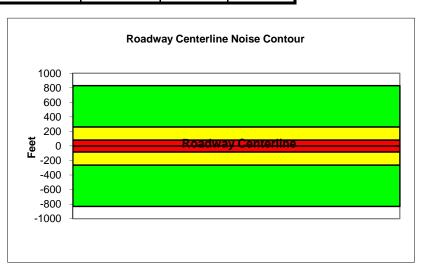
UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	56.9	65.7	63.9	57.8	66.4	67.0				
Medium Trucks:	65.8	57.8	51.4	49.8	58.3	58.5				
Heavy Trucks:	70.7	58.7	49.7	50.9	60.6	60.7				
Vehicle Noise:	73.1	67.2	64.3	59.4	67.9	68.4				

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	831						
65 dBA	263						
70 dBA	83						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

Heavy Trucks:



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)** Project Name: **DWP Specific Plan Amendment Project** Scenario: Existing Kelly Chiene Job #: 10-107353 Analyst: Roadway: **PCH** Road Segment: Between Marina Drive and Main Street/Bolsa Avenue PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 36835 Peak Hour Traffic: 3683.5 Receiver Barrier Dist: 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 43 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 FLEET MIX Road Elevation: 0 Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	57.0	65.8	64.0	57.9	66.6	67.2			
Medium Trucks:	66.0	57.9	51.5	50.0	58.5	58.7			
Heavy Trucks:	70.8	58.9	49.8	51.1	60.8	60.9			
Vehicle Noise:	73.2	67.4	64.5	59.5	68.1	68.6			

2.3

8

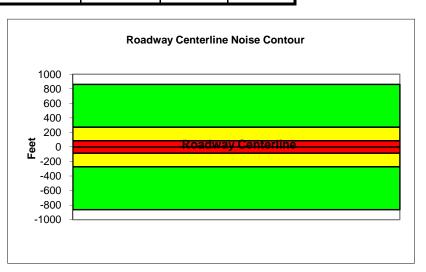
MITIGATED NOISE LEVELS (With topographic or barrier attenuation))
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR					
Unmitigated					
60 dBA	862				
65 dBA	273				
70 dBA	86				
Mitigated					
60 dBA					
65 dBA					
70 dBA					

Autos:

Medium Trucks:

Heavy Trucks:



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)

Project Name: DWP Specific Plan Amendment Project Scenario: Existing
Analyst: Kelly Chiene Job #: 10-107353

Roadway: PCH

Heavy Trucks:

Road Segment: South of Main Street/Bolsa Avenue

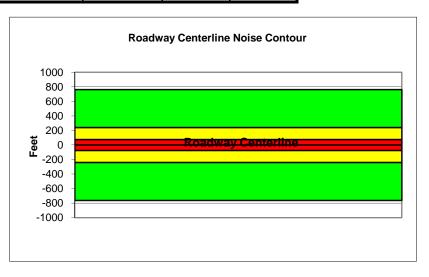
PROJECT DATA			SITE DATA				
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Daily Traffic:		32500		
Receiver Barrier Dist:	0		Peak Hour Traffic:		3250		
Centerline Dist. To Observer:	100		Vehicle Speed:		40		
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	42		
Barrier Far lane CL Dist: 0			NOISE INPUTS				
Pad Elevation:	0.5 Site conditions HARD SITE						
Road Elevation:	0		FLEET MIX				
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0						
Medium Trucks:	2.3						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	56.5	65.3	63.5	57.4	66.1	66.7
Medium Trucks:	65.5	57.4	51.0	49.4	57.9	58.2
Heavy Trucks:	70.3	58.4	49.3	50.5	60.3	60.4
Vehicle Noise:	72.7	66.9	64.0	59.0	67.6	68.1

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						1)
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR					
Unmitigated					
60 dBA	762				
65 dBA	241				
70 dBA	76				
Mitigated					
60 dBA					
65 dBA					
70 dBA					

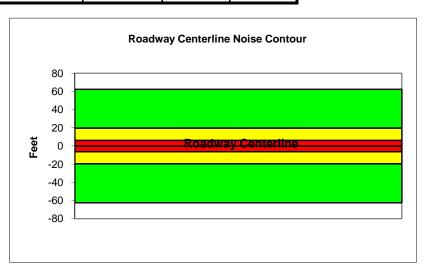


		ederal Highway raffic Noise Pre							
Project Name:	DWP Specific Pla	n Amendment F	roje	ct	Scenario:	Existing			
Analyst:	Kelly Chiene		•		Job #:	10-107353			
Roadway:	Bolsa Avenue								
Road Segment:	East of PCH								
	PROJECT DATA				5	SITE DATA			
Centerline Dist to B	arrier	0		Road Grade:		0			
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	5054			
Receiver Barrier Di	st:	0		Peak Hour Ti	raffic:	505.4			
Centerline Dist. To	Observer:	100		Vehicle Speed:		30			
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	12			
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S		
Pad Elevation:		0.5		Site condition	ns HARD SI	TE			
Road Elevation:		0		FLEET MIX					
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 90	Lft Vi	ew:	-90	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SO	OURCE ELEVATION	ONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074	
Autos:		0							
Medium Trucks:		2.3							
Heavy Trucks:		8							

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn											
Autos:	45.3	54.1	52.3	46.3	54.9	55.5					
Medium Trucks:	55.9	47.9	41.5	39.9	48.4	48.6					
Heavy Trucks:	61.6	49.7	40.6	41.8	51.9	52.1					
Vehicle Noise:	64.1	56.6	53.1	48.7	57.3	57.7					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	62					
65 dBA	20					
70 dBA	6					
Mitigated						
60 dBA						
65 dBA						
70 dBA						

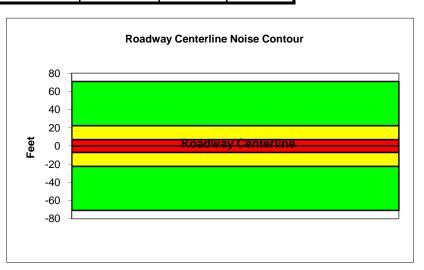


		Federal Highv Traffic Noise							
Project Name:	DWP Specific F	Plan Amendme	nt Projed	ct	Scenario:	Existing			
Analyst:	Kelly Chiene				Job #:	10-107353			
Roadway:	1st Street								
Road Segment:	North of Marina	Drive							
	PROJECT DAT	ΓΑ			S	SITE DATA			
Centerline Dist to B	arrier	0		Road Grade:		0			
Barrier (0=wall, 1= b	perm):	0		Average Dail	y Traffic:	3030			
Receiver Barrier Dis	st:	0		Peak Hour Ti	raffic:	303			
Centerline Dist. To	Observer:	100		Vehicle Speed:		40			
Barrier Near Lane C	CL Dist:	0		Centerline Se	eparation:	40			
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S		
Pad Elevation:		0.5		Site condition	ns HARD SI	TE			
Road Elevation:		0		FLEET MIX					
Observer Height (al	bove grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 90	Lft '	View:	-90	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SO	OURCE ELEVAT	ΓΙΟΝS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074	
Autos:		0							
Medium Trucks:		2.3							
Heavy Trucks:		8							

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	46.2	55.0	53.2	47.1	55.8	56.4			
Medium Trucks:	55.2	47.1	40.7	39.2	47.7	47.9			
Heavy Trucks:	60.0	48.1	39.0	40.3	50.0	50.1			
Vehicle Noise:	62.4	56.6	53.7	48.7	57.3	57.8			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR						
71						
22						
7						
•						



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)** Project Name: DWP Specific Plan Amendment Project Scenario: Existing Analyst: Kelly Chiene Job #: 10-107353 Roadway: 1st Street Road Segment: South of Marina Drive PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 3784 Receiver Barrier Dist: Peak Hour Traffic: 378.4 0 Centerline Dist. To Observer: Vehicle Speed: 100 30 Barrier Near Lane CL Dist: 0 Centerline Separation: 16.5 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type Barrier Height: 0.9742 0 Auto 0.775 0.129 0.096

-90 Med. Truck

Heavy Truck

Autos: 0
Medium Trucks: 2.3
Heavy Trucks: 8

NOISE SOURCE ELEVATIONS (Feet)

Lft View:

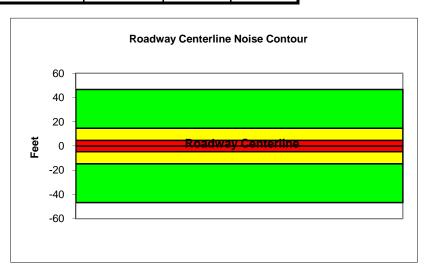
90

Rt View:

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	44.0	52.8	51.0	44.9	53.6	54.2			
Medium Trucks:	54.6	46.5	40.2	38.6	47.1	47.3			
Heavy Trucks:	60.3	48.3	39.3	40.5	50.6	50.7			
Vehicle Noise:	62.8	55.3	51.7	47.4	55.9	56.4			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	47					
65 dBA	15					
70 dBA	5					
Mitigated						
60 dBA						
65 dBA						
70 dBA						



0.848

0.865

0.049

0.027

0.103

0.108

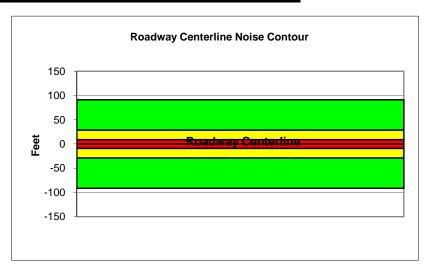
0.0184

		Federal Highw Traffic Noise						
Project Name:	DWP Specific P	lan Amendmei	nt Projed	ct	Scenario:	Existing		
Analyst:	Kelly Chiene				Job #:	10-107353		
Roadway:	Marina Drive							
Road Segment:	West of 1st Stre	et						
	PROJECT DAT	Α			S	ITE DATA		
Centerline Dist to E	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	5297		
Receiver Barrier Di	st:	0		Peak Hour Ti	raffic:	529.7		
Centerline Dist. To	Observer:	100		Vehicle Speed: 35				
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	31		
Barrier Far lane CL	. Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	is HARD SI	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft \	/iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE S	OURCE ELEVAT	IONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	47.1	55.9	54.1	48.0	56.7	57.3		
Medium Trucks:	56.9	48.8	42.4	40.8	49.3	49.6		
Heavy Trucks:	62.1	50.1	41.1	42.3	52.2	52.3		
Vehicle Noise:	64.5	57.9	54.7	50.0	58.6	59.0		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	91						
65 dBA	29						
70 dBA	9						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

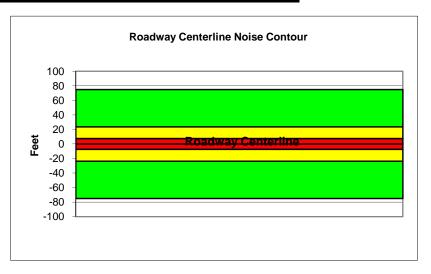


		Federal Highv Traffic Noise						
Project Name:	DWP Specific F	lan Amendme	nt Projed	ct	Scenario:	Existing		
Analyst:	Kelly Chiene				Job #:	10-107353		
Roadway:	Marina Drive							
Road Segment:	West of 1st Stre	eet						
	PROJECT DAT	Ά			5	SITE DATA		
Centerline Dist to B	arrier	0		Road Grade:		0		
Barrier (0=wall, 1= l	berm):	0		Average Dail	y Traffic:	4342		
Receiver Barrier Dis	st:	0		Peak Hour Ti	raffic:	434.2		
Centerline Dist. To	Observer:	100		Vehicle Speed:		35		
Barrier Near Lane C	CL Dist:	0		Centerline Se	eparation:	11.5		
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD S I	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (al	bove grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft \	/iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SO	OURCE ELEVAT	IONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	46.6	55.4	53.6	47.5	56.2	56.8		
Medium Trucks:	56.3	48.3	41.9	40.3	48.8	49.0		
Heavy Trucks:	61.6	49.6	40.6	41.8	51.7	51.8		
Vehicle Noise:	64.0	57.4	54.2	49.5	58.1	58.5		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	75						
65 dBA	24						
70 dBA	7						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Scenario: Existing Plus Project Project Name: **DWP Specific Plan Amendment Project** Kelly Chiene Job #: 10-107353 Analyst: Roadway: PCH Road Segment: North of 1st St. PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 37654 Receiver Barrier Dist: Peak Hour Traffic: 3765.4 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 40 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074 Autos: Medium Trucks: 2.3

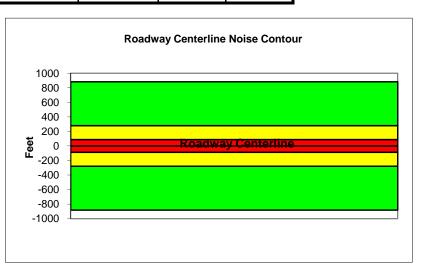
UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	57.2	66.0	64.2	58.1	66.7	67.3		
Medium Trucks:	66.1	58.1	51.7	50.1	58.6	58.8		
Heavy Trucks:	71.0	59.0	50.0	51.2	60.9	61.0		
Vehicle Noise:	73.4	67.5	64.6	59.7	68.2	68.7		

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	883						
65 dBA	279						
70 dBA	88						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

Heavy Trucks:



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Scenario: Existing Plus Project Project Name: **DWP Specific Plan Amendment Project** Job #:

Kelly Chiene Analyst:

Roadway: PCH

Road Segment: South of 1st St.

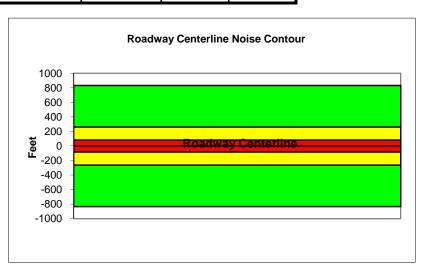
PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 35551 Receiver Barrier Dist: Peak Hour Traffic: 3555.1 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 43 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074

Autos: Medium Trucks: 2.3 Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	56.9	65.7	63.9	57.8	66.4	67.1		
Medium Trucks:	65.8	57.8	51.4	49.8	58.3	58.5		
Heavy Trucks:	70.7	58.7	49.7	50.9	60.6	60.8		
Vehicle Noise:	73.1	67.2	64.3	59.4	68.0	68.4		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	833						
65 dBA	263						
70 dBA	83						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



10-107353

Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Scenario: Existing Plus Project Project Name: **DWP Specific Plan Amendment Project** Kelly Chiene Job #: 10-107353 Analyst: Roadway: PCH Road Segment: Between Marina Drive and Main Street/Bolsa Avenue PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 37004 Receiver Barrier Dist: Peak Hour Traffic: 3700.4 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 43 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type

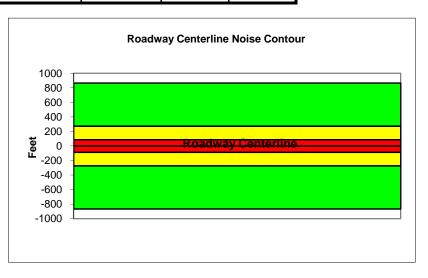
0.9742 Barrier Height: 0 0.775 0.129 0.096 Auto Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074 Autos:

Medium Trucks: 2.3
Heavy Trucks: 8

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	57.1	65.8	64.1	58.0	66.6	67.2		
Medium Trucks:	66.0	57.9	51.6	50.0	58.5	58.7		
Heavy Trucks:	70.9	58.9	49.9	51.1	60.8	60.9		
Vehicle Noise:	73.2	67.4	64.5	59.5	68.1	68.6		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:							
Medium Trucks:							
Heavy Trucks:							
Vehicle Noise:							

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	866						
65 dBA	274						
70 dBA	87						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Project Name: DWP Specific Plan Amendment Project Scenario: Existing Plus Project

Analyst: Kelly Chiene Job #: 10-107353

Roadway: PCH

Autos:

Road Segment: South of Main Street/Bolsa Avenue

PROJECT DATA				S	SITE DATA		
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	32626		
Receiver Barrier Dist:	0		Peak Hour Tr	raffic:	3262.6		
Centerline Dist. To Observer:	100		Vehicle Spee	ed:	40		
Barrier Near Lane CL Dist:	0		Centerline Separation: 42				
Barrier Far lane CL Dist:	0		NOISE INPUTS				
Pad Elevation:	0.5		Site condition	ns HARD SI	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade):	0		Type Day Evening Night I		Daily		
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074

Medium Trucks:

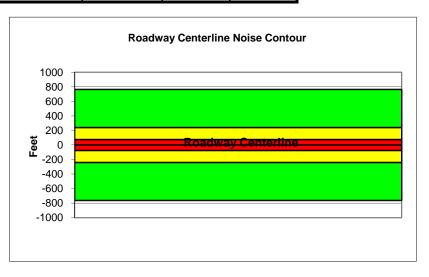
Heavy Trucks:

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuate)

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	56.5	65.3	63.5	57.4	66.1	66.7		
Medium Trucks:	65.5	57.4	51.0	49.5	57.9	58.2		
Heavy Trucks:	70.3	58.4	49.3	50.6	60.3	60.4		
Vehicle Noise:	72.7	66.9	64.0	59.0	67.6	68.1		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:							
Medium Trucks:							
Heavy Trucks:							
Vehicle Noise:							

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	764						
65 dBA	242						
70 dBA	76						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

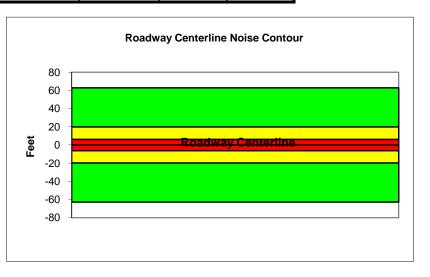


				ninistration F				
Project Name:	DWP Specific	c Plan Amendm	ent Projed	ct	Scenario:	Existing Plu	us Project	
Analyst:	Kelly Chiene		•		Job #:	10-107353	•	
Roadway:	Bolsa Avenu	Э						
Road Segment:	East of PCH							
	PROJECT D	ATA			S	SITE DATA		
Centerline Dist to I	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	: berm):	0		Average Dail	y Traffic:	5096		
Receiver Barrier D	ist:	0		Peak Hour Ti	raffic:	509.6		
Centerline Dist. To	Observer:	100		Vehicle Spee	ed:	30		
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	12		
Barrier Far lane Cl	L Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site conditions HARD SITE				
Road Elevation:		0		FLEET MIX				
Observer Height (a	above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	0 L	ft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE S	OURCE ELEV	ATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:	45.4	54.2	52.4	46.3	54.9	55.5	
Medium Trucks:	56.0	47.9	41.5	40.0	48.4	48.7	
Heavy Trucks:	61.6	49.7	40.6	41.9	52.0	52.1	
Vehicle Noise:	64.2	56.6	53.1	48.8	57.3	57.7	

MITIGAT	MITIGATED NOISE LEVELS (With topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR						
63						
20						
6						



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Scenario: Existing Plus Project Project Name: **DWP Specific Plan Amendment Project** Analyst: Kelly Chiene Job #: 10-107353 Roadway: 1st Street Road Segment: North of Marina Drive PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 3395 Receiver Barrier Dist: Peak Hour Traffic: 339.5 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 40 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096

-90

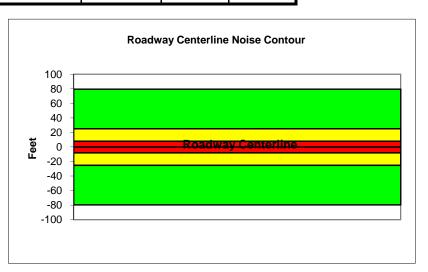
Rt View: Lft View: Med. Truck 0.848 0.049 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 Autos: Medium Trucks: 2.3 Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	46.7	55.5	53.7	47.6	56.3	56.9			
Medium Trucks:	55.7	47.6	41.2	39.7	48.1	48.4			
Heavy Trucks:	60.5	48.6	39.5	40.8	50.5	50.6			
Vehicle Noise:	62.9	57.1	54.2	49.2	57.8	58.3			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	80						
65 dBA	25						
70 dBA	8						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

90



0.103

0.108

0.0184

Project Name: Scenario: Existing Plus Project DWP Specific Plan Amendment Project

Kelly Chiene Analyst: Roadway: 1st Street

Road Segment: South of Marina Drive

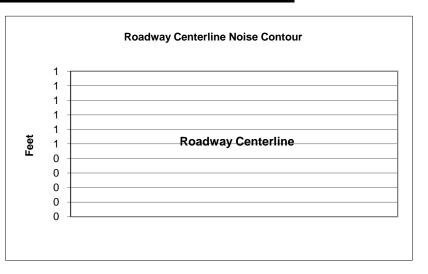
PROJECT DATA				5	SITE DATA		
Centerline Dist to Barrier	0		Road Grade: 0				
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	p		
Receiver Barrier Dist:	0		Peak Hour Tr	raffic:	#VALUE!		
Centerline Dist. To Observer:	100		Vehicle Spee	ed:	30		
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	16.5		
Barrier Far lane CL Dist:	0			NC	ISE INPUT	S	
Pad Elevation:	0.5		Site condition	ns HARD S I	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELE	Heavy Truck	0.865	0.027	0.108	0.0074		

Autos: 0 Medium Trucks: 2.3 Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Medium Trucks:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Heavy Trucks:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			
Vehicle Noise:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR								
Unmitigated								
60 dBA	#VALUE!							
65 dBA	#VALUE!							
70 dBA	#VALUE!							
Mitigated								
60 dBA								
65 dBA								
70 dBA								



10-107353

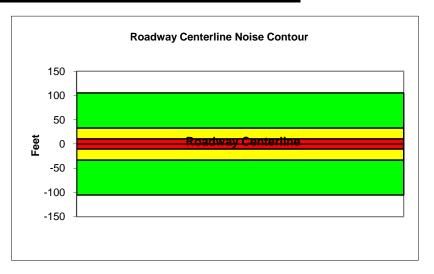
Job #:

		deral Highway Ac affic Noise Predic						
Project Name:	DWP Specific Plan Amendment Project Scenario: Existing Plus Project							
Analyst:	Kelly Chiene	·		Job #:	10-107353			
Roadway:	Marina Drive							
Road Segment:	West of 1st Street							
	PROJECT DATA			5	SITE DATA			
Centerline Dist to E	Barrier	0	Road Grade:		0			
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	6117			
Receiver Barrier Di	st:	0	Peak Hour T	raffic:	611.7			
Centerline Dist. To	Observer:	100	Vehicle Spee	Vehicle Speed:				
Barrier Near Lane (CL Dist:	0	Centerline Se	eparation:	31			
Barrier Far lane CL	Dist:	0		NC	ISE INPUT	S		
Pad Elevation:		0.5	Site condition	ns HARD S I	TE			
Road Elevation:		0		F	LEET MIX			
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily	
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742	
Rt View: 90	Lft Vie	w: -9	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE S	OURCE ELEVATIO	NS (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074	
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	47.8	56.5	54.8	48.7	57.3	57.9			
Medium Trucks:	57.5	49.4	43.0	41.5	49.9	50.2			
Heavy Trucks:	62.7	50.8	41.7	42.9	52.8	53.0			
Vehicle Noise:	65.1	58.5	55.3	50.6	59.2	59.6			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	105						
65 dBA	33						
70 dBA	11						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

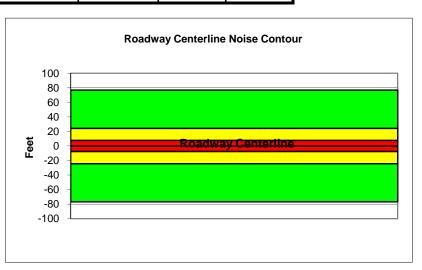


	Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)									
Project Name:	DWP Specific F	Plan Amendme	ent Projec	ct	Scenario:	Existing Pla	us Project			
Analyst:	Kelly Chiene				Job #:	10-107353				
Roadway:	Marina Drive									
Road Segment:	East of 1st Stre	et								
	PROJECT DAT	ΓΑ			S	SITE DATA				
Centerline Dist to E	Barrier	0		Road Grade:		0				
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	4454				
Receiver Barrier Di	ist:	0		Peak Hour Ti	affic:	445.4				
Centerline Dist. To	Observer:	100		Vehicle Speed: 35						
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	11.5				
Barrier Far lane CL	Dist:	0		NOISE INPUTS						
Pad Elevation:		0.5		Site condition	is HARD SI	TE				
Road Elevation:		0			F	LEET MIX				
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft '	View:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE S	OURCE ELEVA	ΓΙΟΝS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0		_						
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	46.7	55.5	53.7	47.6	56.3	56.9		
Medium Trucks:	56.5	48.4	42.0	40.4	48.9	49.2		
Heavy Trucks:	61.7	49.7	40.7	41.9	51.8	51.9		
Vehicle Noise:	64.1	57.5	54.3	49.6	58.2	58.6		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR Unmitigated							
77							
24							
8							

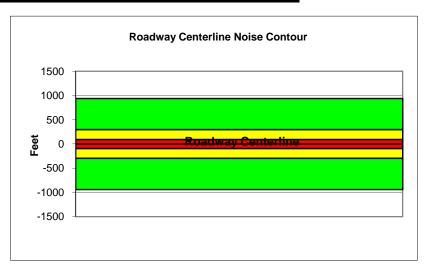


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)											
Project Name:	DWP Specific Plan Amendment Project Scenario: Near Term										
Analyst:	Kelly Chiene	·		Job #:	10-107353						
Roadway:	PCH										
Road Segment:	North of 1st St.										
	PROJECT DATA			S	ITE DATA						
Centerline Dist to B	Barrier	0	Road Grade:		0						
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	40110						
Receiver Barrier Di	st:	0	Peak Hour Ti	raffic:	4011						
Centerline Dist. To	Observer: 1	00	Vehicle Speed: 40								
Barrier Near Lane (CL Dist:	0	Centerline Se	eparation:	40						
Barrier Far lane CL	Dist:	0		NO	ISE INPUT	S					
Pad Elevation:	().5	Site condition	ns HARD SI	TE						
Road Elevation:		0		F	LEET MIX						
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily				
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742				
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184				
NOISE SOURCE ELEVATIONS (Feet)			Heavy Truck	0.865	0.027	0.108	0.0074				
Autos:		0									
Medium Trucks:	2	2.3									
Heavy Trucks:		8									

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	57.5	66.2	64.4	58.4	67.0	67.6		
Medium Trucks:	66.4	58.3	52.0	50.4	58.9	59.1		
Heavy Trucks:	71.3	59.3	50.3	51.5	61.2	61.3		
Vehicle Noise:	73.6	67.8	64.9	59.9	68.5	69.0		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	940						
65 dBA	297						
70 dBA	94						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

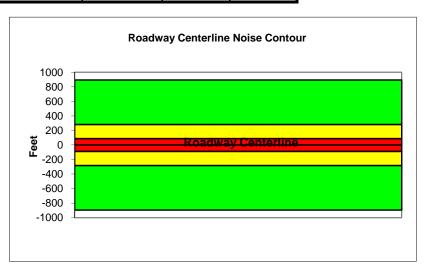


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name:	DWP Specific Pla	n Amendment	Projec	ct	Scenario:	Near Term				
Analyst:	Kelly Chiene		•		Job #:	10-107353				
Roadway:	PCH									
Road Segment:	South of 1st St.									
	PROJECT DATA	1			S	ITE DATA				
Centerline Dist to B	arrier	0		Road Grade:		0				
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	38201				
Receiver Barrier Dis	st:	0		Peak Hour Tr	affic:	3820.1				
Centerline Dist. To	Observer:	100		Vehicle Speed: 40						
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	43				
Barrier Far lane CL	Dist:	0		NOISE INPUTS						
Pad Elevation:		0.5		Site condition	is HARD SI	TE				
Road Elevation:		0			F	LEET MIX				
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft Vi	ew:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE SO	OURCE ELEVATION	ONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	57.2	66.0	64.2	58.1	66.8	67.4			
Medium Trucks:	66.2	58.1	51.7	50.1	58.6	58.8			
Heavy Trucks:	71.0	59.1	50.0	51.2	60.9	61.1			
Vehicle Noise:	73.4	67.6	64.6	59.7	68.3	68.7			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	895						
65 dBA	283						
70 dBA	89						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

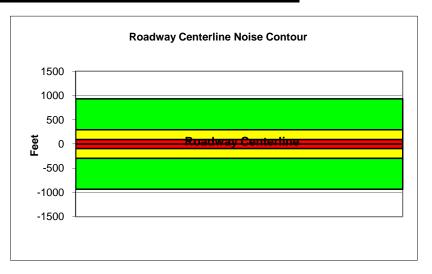


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name: D	WP Specific Plan An	nendment Projec	ct	Scenario:	Near Term					
Analyst: K	Celly Chiene			Job #:	10-107353					
Roadway: F	PCH									
Road Segment: E	Between Marina Drive	e and Main Stree	et/Bolsa Aven	ue						
F	PROJECT DATA			S	SITE DATA					
Centerline Dist to Bar	rrier)	Road Grade:		0					
Barrier (0=wall, 1= be	erm):)	Average Dail	y Traffic:	39813					
Receiver Barrier Dist	: ()	Peak Hour Ti	affic:	3981.3					
Centerline Dist. To O	bserver: 100)	Vehicle Speed:		40					
Barrier Near Lane CL	Dist:)	Centerline Separation: 43							
Barrier Far lane CL D	Dist:)	NOISE INPUTS							
Pad Elevation:	0.9	5	Site conditions HARD SITE							
Road Elevation:)		F	LEET MIX					
Observer Height (abo	ove grade):)	Туре	Day	Evening	Night	Daily			
Barrier Height:	()	Auto	0.775	0.129	0.096	0.9742			
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184			
NOISE SOL	JRCE ELEVATIONS	(Feet)	Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:)								
Medium Trucks:	2.3	3								
Heavy Trucks:	8	3								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	57.4	66.2	64.4	58.3	66.9	67.5					
Medium Trucks:	66.3	58.3	51.9	50.3	58.8	59.0					
Heavy Trucks:	71.2	59.2	50.2	51.4	61.1	61.2					
Vehicle Noise:	73.6	67.7	64.8	59.9	68.4	68.9					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CNE										
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR								
Unmitigated								
60 dBA	933							
65 dBA	295							
70 dBA	93							
Mitigated								
60 dBA								
65 dBA								
70 dBA								



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)** Project Name: **DWP Specific Plan Amendment Project** Scenario: Near Term Kelly Chiene Job #: Analyst: 10-107353 Roadway: PCH Road Segment: South of Main Street/Bolsa Avenue PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 35176 Peak Hour Traffic: Receiver Barrier Dist: 0 3517.6 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 42 Barrier Far lane CL Dist: 0 **NOISE INPUTS** Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type 0.775 Barrier Height: 0 0.096 0.9742 Auto 0.129

-90

49.7

64.3

Med. Truck

Heavy Truck

50.9

59.3

0.848

0.865

60.6

67.9

0.049

0.027

60.7

68.4

0.103

0.108

0.0184

0.0074

Heavy Trucks:		8						
UNMITIG	ATED NOIS	E LEVELS (No topograph	ic or barrier	attenuation	1)		
Vehicle Type	Peak Leq	ATED NOISE LEVELS (No topographic or barrier attenuation Peak Leq Leq Day Leq Evening Leq Night Ldn						
Autos:	56.9	65.6	63.8	57.8	66.4	67.0		
Medium Trucks:	65.8	57.7	51.4	49.8	58.3	58.5		

Lft View:

2.3

58.7

67.2

NOISE SOURCE ELEVATIONS (Feet)

70.7

73.0

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR								
Unmitigated								
60 dBA	824							
65 dBA	261							
70 dBA	82							
Mitigated								
60 dBA								
65 dBA								
70 dBA								

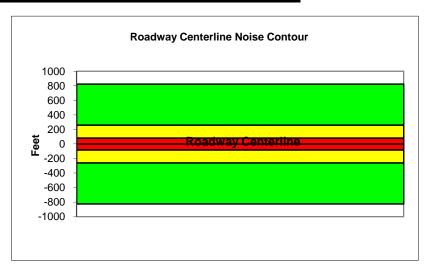
Rt View:

Autos:

Medium Trucks:

Heavy Trucks:

Vehicle Noise:

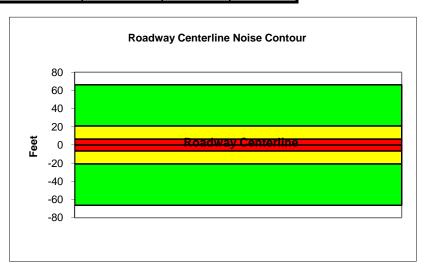


		Federal Highv Traffic Noise						
Project Name:	DWP Specif	ic Plan Amendme				Near Term		
Analyst:	Kelly Chiene		,		Job #:	10-107353		
Roadway:	Bolsa Avenu	ıe						
Road Segment:	East of PCH	ł						
_	PROJECT	DATA			S	SITE DATA		
Centerline Dist to E	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	5366		
Receiver Barrier D	ist:	0		Peak Hour Ti	raffic:	536.6		
Centerline Dist. To	Observer:	100		Vehicle Spee	ed:	30		
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	12		
Barrier Far lane CL	_ Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD S I	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90)	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE S	OURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	45.6	54.4	52.6	46.5	55.2	55.8				
Medium Trucks:	56.2	48.1	41.8	40.2	48.7	48.9				
Heavy Trucks:	61.9	49.9	40.9	42.1	52.2	52.3				
Vehicle Noise:	64.4	56.9	53.3	49.0	57.5	58.0				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CNE											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	66						
65 dBA	21						
70 dBA	7						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



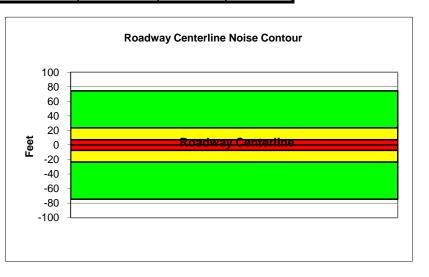
	Federal Highway Administration RD-77-108										
5 N	D14/D 0	Traffic Noise		•							
Project Name:	•	ic Plan Amendme	nt Projed	ct		Near Term					
Analyst:	Kelly Chiene	9			Job #:	10-107353					
Roadway:	1st Street										
Road Segment:	North of Ma	rina Drive						ļ			
	PROJECT I	DATA			5	SITE DATA					
Centerline Dist to	Barrier	0		Road Grade:		0					
Barrier (0=wall, 1=	= berm):	0		Average Dail	y Traffic:	3181					
Receiver Barrier D	Dist:	0		Peak Hour Traffic: 318.1							
Centerline Dist. To	Observer:	100		Vehicle Speed: 40							
Barrier Near Lane	CL Dist:	0		Centerline Separation: 40							
Barrier Far lane C	L Dist:	0		NOISE INPUTS							
Pad Elevation:		0.5		Site condition	is HARD S I	TE					
Road Elevation:		0			F	LEET MIX					
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily			
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742			
Rt View: 9	0	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184			
NOISE SOURCE ELEVATIONS (Feet)				Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:		0									
Medium Trucks:		2.3									

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	46.4	55.2	53.4	47.4	56.0	56.6				
Medium Trucks:	55.4	47.3	41.0	39.4	47.9	48.1				
Heavy Trucks:	60.2	48.3	39.3	40.5	50.2	50.3				
Vehicle Noise:	62.6	56.8	53.9	48.9	57.5	58.0				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CNEL											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	74					
65 dBA	24					
70 dBA	7					
Mitigated						
60 dBA						
65 dBA						
70 dBA						

Heavy Trucks:

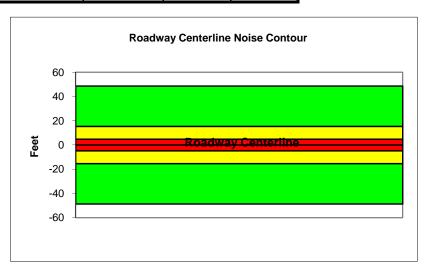


		ederal Highway <i>F</i> raffic Noise Pred						
Project Name:	DWP Specific Pla	n Amendment Pro	oject		Scenario:	Near Term		
Analyst:	Kelly Chiene				Job #:	10-107353		
Roadway:	1st Street							
Road Segment:	South of Marina D	Orive						
	PROJECT DATA	l .			S	ITE DATA		
Centerline Dist to B	Barrier	0	Road	Grade:		0		
Barrier (0=wall, 1=	berm):	0	Avera	ige Dail	y Traffic:	3943		
Receiver Barrier Di	st:	0	Peak	Hour Ti	raffic:	394.3		
Centerline Dist. To	Observer:	100	Vehic	Vehicle Speed: 30				
Barrier Near Lane (CL Dist:	0	Cente	rline Se	eparation:	16.5		
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5	Site c	onditior	ns HARD SI	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	bove grade):	0	Type		Day	Evening	Night	Daily
Barrier Height:		0	Auto		0.775	0.129	0.096	0.9742
Rt View: 90	Lft Vi	ew:	90 Med.	Truck	0.848	0.049	0.103	0.0184
NOISE SO	OURCE ELEVATION	ONS (Feet)	Heav	y Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	44.2	53.0	51.2	45.1	53.7	54.3					
Medium Trucks:	54.8	46.7	40.3	38.8	47.2	47.5					
Heavy Trucks:	60.4	48.5	39.4	40.7	50.8	50.9					
Vehicle Noise:	63.0	55.4	51.9	47.6	56.1	56.5					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CNEL											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	49					
65 dBA	15					
70 dBA	5					
Mitigated						
60 dBA						
65 dBA						
70 dBA						

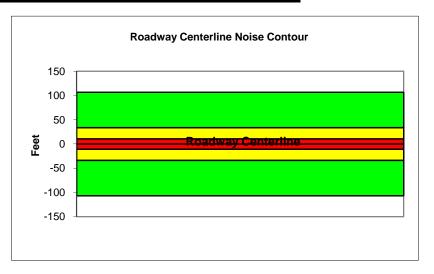


		Federal High		ninistration F				
Project Name:	DWP Specifi	c Plan Amendm			Scenario:	Near Term		
Analyst:	Kelly Chiene		•		Job #:	10-107353		
Roadway:	Marina Drive							
Road Segment:	West of 1st S	Street						
	PROJECT D	ATA			S	SITE DATA		
Centerline Dist to E	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	6192		
Receiver Barrier D	ist:	0		Peak Hour Ti	raffic:	619.2		
Centerline Dist. To	Observer:	100		Vehicle Speed: 35				
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	31		
Barrier Far lane CL	_ Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD SI	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775			0.9742
Rt View: 90)	_ft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE S	OURCE ELEV	/ATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	ele Type Peak Leq Leq Day Leq Evening Leq Night Ldn (
Autos:	47.8	56.6	54.8	48.7	57.4	58.0				
Medium Trucks:	57.5	49.5	43.1	41.5	50.0	50.2				
Heavy Trucks:	62.8	50.8	41.8	43.0	52.9	53.0				
Vehicle Noise:	65.2	58.6	55.4	50.7	59.2	59.7				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CNEL											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	107						
65 dBA	34						
70 dBA	11						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

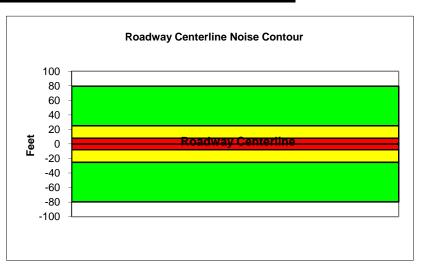


		Federal Highv Traffic Noise						
Project Name:	DWP Specif	ic Plan Amendme			Scenario:	Near Term		
Analyst:	Kelly Chiene		•		Job #:	10-107353		
Roadway:	Marina Drive							
Road Segment:	East of 1st S	Street						
	PROJECT	DATA			S	SITE DATA		
Centerline Dist to B	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	4619		
Receiver Barrier Di	st:	0		Peak Hour Tr	raffic:	461.9		
Centerline Dist. To	Observer:	100		Vehicle Spee	ed:	35		
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	11.5		
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD S I	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90)	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SO	OURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	ype Peak Leq Leq Day Leq Evening Leq Night Ldn C									
Autos:	46.9	55.7	53.9	47.8	56.5	57.1				
Medium Trucks:	56.6	48.5	42.2	40.6	49.1	49.3				
Heavy Trucks:	61.8	49.9	40.8	42.1	52.0	52.1				
Vehicle Noise:	64.3	57.6	54.4	49.8	58.3	58.8				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR					
Unmitigated					
60 dBA	80				
65 dBA	25				
70 dBA	8				
Mitigated					
60 dBA					
65 dBA					
70 dBA					



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Project Name: **DWP Specific Plan Amendment Project** Scenario: Near Term Plus Project Analyst: Kelly Chiene Job #: 10-107353 Roadway: PCH Road Segment: North of 1st St. PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 40419 Receiver Barrier Dist: Peak Hour Traffic: 4041.9 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 40 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 **FLEET MIX** Road Elevation: 0 Observer Height (above grade): 0 Day Evening Night Daily Type

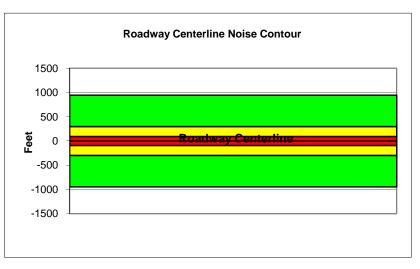
0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074 Autos:

Medium Trucks: 2.3
Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:	57.5	66.3	64.5	58.4	67.0	67.7	
Medium Trucks:	66.4	58.4	52.0	50.4	58.9	59.1	
Heavy Trucks:	71.3	59.4	50.3	51.5	61.2	61.4	
Vehicle Noise:	73.7	67.8	64.9	60.0	68.6	69.0	

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:							
Medium Trucks:							
Heavy Trucks:							
Vehicle Noise:							

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	946					
65 dBA	299					
70 dBA	95					
Mitigated						
60 dBA						
65 dBA						
70 dBA						



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Project Name: **DWP Specific Plan Amendment Project** Scenario: Near Term Plus Project Kelly Chiene Job #: Analyst:

Roadway: PCH

Road Segment: South of 1st St.

PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 38257 Receiver Barrier Dist: Peak Hour Traffic: 3825.7 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 43 **NOISE INPUTS** Barrier Far lane CL Dist: 0

Pad Elevation: 0.5 Road Elevation: 0 Observer Height (above grade): 0 Barrier Height: 0

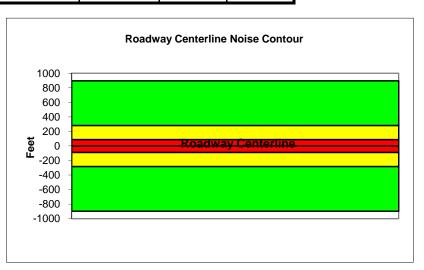
Rt View: 90 Lft View: **NOISE SOURCE ELEVATIONS (Feet)** Autos:

Medium Trucks: 2.3 Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	57.2	66.0	64.2	58.1	66.8	67.4
Medium Trucks:	66.2	58.1	51.7	50.1	58.6	58.9
Heavy Trucks:	71.0	59.1	50.0	51.2	60.9	61.1
Vehicle Noise:	73.4	67.6	64.6	59.7	68.3	68.8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	897					
65 dBA	284					
70 dBA	90					
Mitigated						
60 dBA						
65 dBA						
70 dBA						



10-107353

FLEET MIX

Evening

0.129

0.049

0.027

Night

0.096

0.103

0.108

Daily

0.9742

0.0184

0.0074

Site conditions HARD SITE

Type

Auto

Med. Truck

Heavy Truck

-90

Day

0.775

0.848

Job #:

10-107353

Project Name: DWP Specific Plan Amendment Project Scenario: Near Term Plus Project

Analyst: Kelly Chiene

Roadway: PCH

Medium Trucks:

Heavy Trucks:

Road Segment: Between Marina Drive and Main Street/Bolsa Avenue

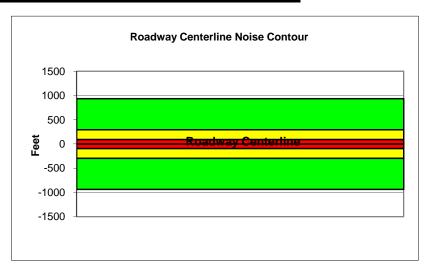
PROJECT	DATA			S	ITE DATA		
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	39982		
Receiver Barrier Dist:	0		Peak Hour Tr	affic:	3998.2		
Centerline Dist. To Observer:	100		Vehicle Spee	d:	40		
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	43		
Barrier Far lane CL Dist:	0		NOISE INPUTS				
Pad Elevation:	0.5		Site condition	is HARD SI	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade)	: 0		Туре	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELI	EVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:	57.4	66.2	64.4	58.3	67.0	67.6	
Medium Trucks:	66.3	58.3	51.9	50.3	58.8	59.0	
Heavy Trucks:	71.2	59.3	50.2	51.4	61.1	61.3	
Vehicle Noise:	73.6	67.8	64.8	59.9	68.5	68.9	

2.3

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)							
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL	
Autos:							
Medium Trucks:							
Heavy Trucks:							
Vehicle Noise:							

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	937					
65 dBA	296					
70 dBA	94					
Mitigated						
60 dBA						
65 dBA						
70 dBA						



Job #:

0.865

10-107353

0.027

0.108

0.0074

Project Name: DWP Specific Plan Amendment Project Scenario: Near Term Plus Project

Analyst: Kelly Chiene

Roadway: PCH

Road Segment: South of Main Street/Bolsa Avenue

PROJECT	DATA			S	SITE DATA		
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	35302		
Receiver Barrier Dist:	0	0		Peak Hour Traffic:			
Centerline Dist. To Observer:	100		Vehicle Spee	ed:	40		
Barrier Near Lane CL Dist:	0		Centerline Separation:		42		
Barrier Far lane CL Dist:	0			NO	ISE INPUT	S	
Pad Elevation:	0.5		Site condition	ns HARD SI	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade): 0		Type	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184

Heavy Truck

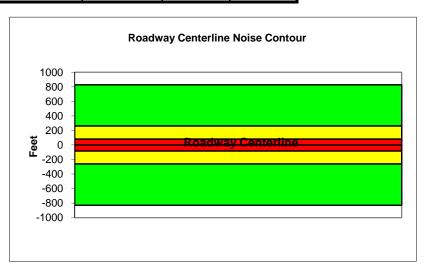
Autos: 0
Medium Trucks: 2.3
Heavy Trucks: 8

NOISE SOURCE ELEVATIONS (Feet)

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	56.9	65.7	63.9	57.8	66.4	67.0		
Medium Trucks:	65.8	57.8	51.4	49.8	58.3	58.5		
Heavy Trucks:	70.7	58.7	49.7	50.9	60.6	60.7		
Vehicle Noise:	73.0	67.2	64.3	59.4	67.9	68.4		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	828						
65 dBA	262						
70 dBA	83						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

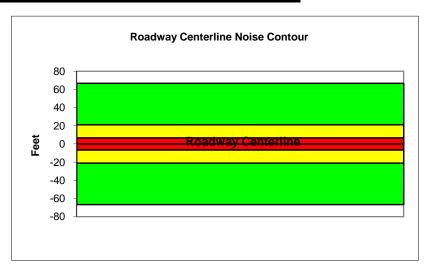


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name:	DWP Specific Pl	an Amendmen	t Projec	ct	Scenario:	Near Term	Plus Projec	et		
Analyst:	Kelly Chiene		•		Job #:	10-107353				
Roadway:	Bolsa Avenue									
Road Segment:	East of PCH									
	PROJECT DATA	A			5	ITE DATA				
Centerline Dist to B	arrier	0		Road Grade:		0				
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	5408				
Receiver Barrier Di	st:	0		Peak Hour Ti	affic:	540.8				
Centerline Dist. To	Observer:	100		Vehicle Speed:		30				
Barrier Near Lane (CL Dist:	0		Centerline Separation:		12				
Barrier Far lane CL	Dist:	0		NOISE INPUTS						
Pad Elevation:		0.5		Site condition	Site conditions HARD SITE					
Road Elevation:		0			F	LEET MIX				
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft V	iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE SOURCE ELEVATIONS (Feet)			Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	45.6	54.4	52.6	46.5	55.2	55.8		
Medium Trucks:	56.2	48.2	41.8	40.2	48.7	48.9		
Heavy Trucks:	61.9	50.0	40.9	42.1	52.2	52.4		
Vehicle Noise:	64.4	56.9	53.4	49.0	57.6	58.0		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	67						
65 dBA	21						
70 dBA	7						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Project Name: **DWP Specific Plan Amendment Project** Scenario: Near Term Plus Project 10-107353 Analyst: Kelly Chiene Job #: Roadway: 1st Street Road Segment: North of Marina Drive PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 3546 Receiver Barrier Dist: Peak Hour Traffic: 354.6 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 40 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 FLEET MIX Road Elevation: 0 Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096

-90

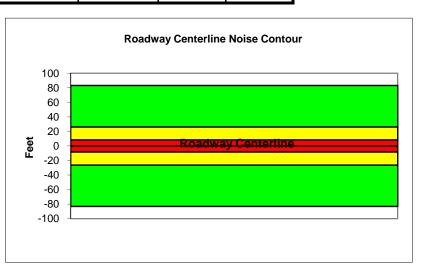
Rt View: Lft View: Med. Truck 0.848 0.049 **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 Autos: Medium Trucks: 2.3 Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:	46.9	55.7	53.9	47.8	56.5	57.1		
Medium Trucks:	55.9	47.8	41.4	39.9	48.3	48.6		
Heavy Trucks:	60.7	48.8	39.7	40.9	50.7	50.8		
Vehicle Noise:	63.1	57.3	54.4	49.4	58.0	58.5		

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	83						
65 dBA	26						
70 dBA	8						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

90



0.103

0.108

0.0184

Job #:

10-107353

Project Name: DWP Specific Plan Amendment Project Scenario: Near Term Plus Project

Analyst: Kelly Chiene

Roadway: 1st Street

Road Segment: South of Marina Drive

PROJECT DA	TA			SITE DATA		
Centerline Dist to Barrier	0	Road Grade	э:	0		
Barrier (0=wall, 1= berm):	0	Average Da	ily Traffic:	4359		
Receiver Barrier Dist:	0	Peak Hour	Traffic:	435.9		
Centerline Dist. To Observer:	100	Vehicle Spe	ed:	30		
Barrier Near Lane CL Dist:	0	Centerline S	Separation:	16.5		
Barrier Far lane CL Dist:	0		NC	DISE INPUT	S	
Pad Elevation:	0.5	Site condition	ons HARD S	ITE		
Road Elevation:	0		FLEET MIX			
Observer Height (above grade):	0	Type	Day	Evening	Night	Daily
Douglas Haishti	^	A 4 a	0.775	0.400	0.000	0.07

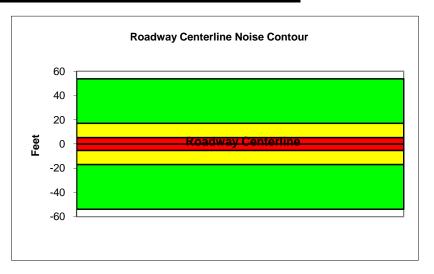
Barrier Height: Auto 0.129 0.096 0 0.775 -90 Med. Truck 0.848 0.049 0.103 0.0184 Rt View: 90 Lft View: **NOISE SOURCE ELEVATIONS (Feet)** Heavy Truck 0.865 0.027 0.108 0.0074 Autos:

Medium Trucks: 2.3
Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	44.6	53.4	51.6	45.5	54.2	54.8				
Medium Trucks:	55.2	47.2	40.8	39.2	47.7	47.9				
Heavy Trucks:	60.9	48.9	39.9	41.1	51.2	51.3				
Vehicle Noise:	63.4	55.9	52.3	48.0	56.6	57.0				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	54						
65 dBA	17						
70 dBA	5						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

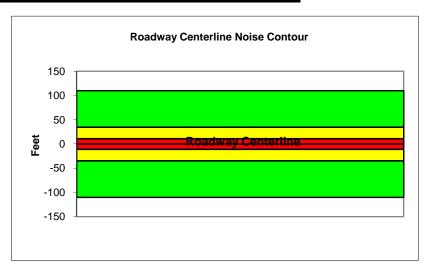


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name:	DWP Specific Pl					Near Term	Plus Projec	et		
Analyst:	Kelly Chiene				Job #:	10-107353	_			
Roadway:	Marina Drive									
Road Segment:	West of 1st Stree	et								
	PROJECT DATA	A			S	SITE DATA				
Centerline Dist to E	Barrier	0		Road Grade:		0				
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	6382				
Receiver Barrier Di	st:	0		Peak Hour Ti	affic:	638.2				
Centerline Dist. To	Observer:	100		Vehicle Speed: 35						
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	31				
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S			
Pad Elevation:		0.5		Site condition	is HARD S I	TE				
Road Elevation:		0			F	LEET MIX				
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft V	iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE S	OURCE ELEVATI	IONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	47.9	56.7	54.9	48.9	57.5	58.1				
Medium Trucks:	57.7	49.6	43.2	41.6	50.1	50.4				
Heavy Trucks:	62.9	50.9	41.9	43.1	53.0	53.1				
Vehicle Noise:	65.3	58.7	55.5	50.8	59.4	59.8				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	110						
65 dBA	35						
70 dBA	11						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

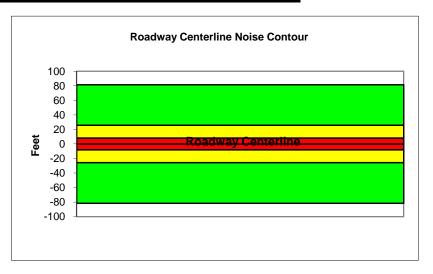


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name:	DWP Specific Plan Amendment Project Scenario: Near Term Plus Project									
Analyst:	Kelly Chiene			Job #:	10-107353	•				
Roadway:	Marina Drive									
Road Segment:	East of 1st Street									
	PROJECT DATA			5	SITE DATA					
Centerline Dist to E	Barrier	0	Road Grade:		0					
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	4731					
Receiver Barrier Di	st:	0	Peak Hour T	raffic:	473.1					
Centerline Dist. To	Observer:	100	Vehicle Spee	Vehicle Speed: 3						
Barrier Near Lane (CL Dist:	0	Centerline S	eparation:	11.5					
Barrier Far lane CL	Dist:	0		NC	ISE INPUT	S				
Pad Elevation:		0.5	Site condition	ns HARD S I	TE					
Road Elevation:		0		F	LEET MIX					
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily			
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742			
Rt View: 90	Lft Vie	w: - 9	Med. Truck	0.848	0.049	0.103	0.0184			
NOISE S	OURCE ELEVATIO	NS (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	47.0	55.8	54.0	47.9	56.6	57.2				
Medium Trucks:	56.7	48.6	42.3	40.7	49.2	49.4				
Heavy Trucks:	61.9	50.0	40.9	42.2	52.1	52.2				
Vehicle Noise:	64.4	57.7	54.5	49.9	58.4	58.9				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	82						
65 dBA	26						
70 dBA	8						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

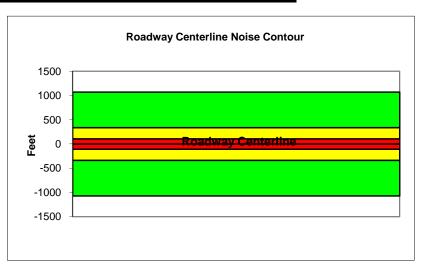


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)										
Project Name:										
Analyst:	Kelly Chiene	•		Job #:	10-107353					
Roadway:	PCH									
Road Segment:	North of 1st St.									
	PROJECT DATA			S	ITE DATA					
Centerline Dist to B	Barrier	0	Road Grade:		0					
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	45712					
Receiver Barrier Di	st:	0	Peak Hour Ti	raffic:	4571.2					
Centerline Dist. To	Observer: 1	00	Vehicle Speed: 40							
Barrier Near Lane (CL Dist:	0	Centerline Se	eparation:	40					
Barrier Far lane CL	Dist:	0		NO	ISE INPUT	S				
Pad Elevation:		0.5	Site condition	ns HARD SI	TE					
Road Elevation:		0		F	LEET MIX					
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily			
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742			
Rt View: 90	Lft View	: -90	Med. Truck	0.848	0.049	0.103	0.0184			
NOISE SO	OURCE ELEVATION	S (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:		0								
Medium Trucks:	:	2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	58.0	66.8	65.0	58.9	67.6	68.2					
Medium Trucks:	67.0	58.9	52.5	51.0	59.4	59.7					
Heavy Trucks:	71.8	59.9	50.8	52.1	61.8	61.9					
Vehicle Noise:	74.2	68.4	65.5	60.5	69.1	69.6					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn Cl											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	1072
65 dBA	339
70 dBA	107
Mitigated	
60 dBA	
65 dBA	
70 dBA	



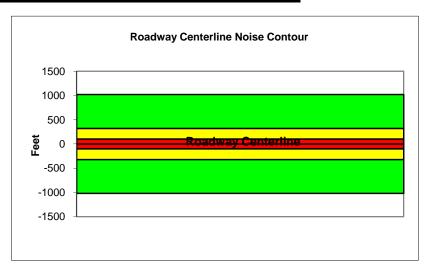
		Federal Highw							
Project Name:									
Analyst: Roadway:	PCH	J			JOD #.	10-10/353			
Road Segment:	South of 1st	: St.							
	PROJECT	DATA			5	SITE DATA			
Centerline Dist to	Barrier	0		Road Grade:		0			
Barrier (0=wall, 1=	= berm):	0		Average Dail	y Traffic:	43525			
Receiver Barrier D	Dist:	0		Peak Hour Traffic: 4352.5					
Centerline Dist. To	o Observer:	100		Vehicle Speed: 40					
Barrier Near Lane	CL Dist:	0		Centerline Separation: 43					
Barrier Far lane C	L Dist:	0			NC	ISE INPUT	S		
Pad Elevation:		0.5		Site condition	ns HARD S I	TE			
Road Elevation:		0			F	LEET MIX			
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 9	0	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE S	SOURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074	
Autos:		0							
Medium Trucks:		2.3							

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	57.8	66.5	64.8	58.7	67.3	67.9					
Medium Trucks:	66.7	58.7	52.3	50.7	59.2	59.4					
Heavy Trucks:	71.6	59.6	50.6	51.8	61.5	61.6					
Vehicle Noise:	73.9	68.1	65.2	60.3	68.8	69.3					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn CN										
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	1020
65 dBA	323
70 dBA	102
Mitigated	
60 dBA	
65 dBA	
70 dBA	

Heavy Trucks:



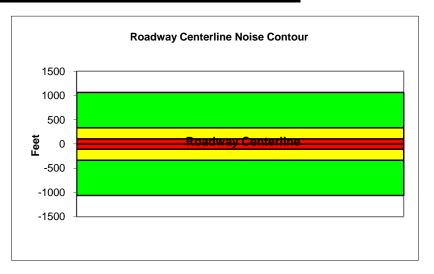
	Federal Highway Administration RD-77-108								
		Traffic Noise		•	•	_			
Project Name:	•	fic Plan Amendme	nt Proje	ct		Future			
Analyst:	Kelly Chien	е			Job #:	10-107353			
Roadway:	PCH								
Road Segment:	Between M	larina Drive and Ma	ain Stree	et/Bolsa Aven	ue				
	PROJECT	DATA			5	SITE DATA			
Centerline Dist to	Barrier	0		Road Grade:		0			
Barrier (0=wall, 1=	= berm):	0		Average Dail	y Traffic:	45339			
Receiver Barrier [Dist:	0		Peak Hour Traffic: 4533.9		4533.9			
Centerline Dist. T	o Observer:	100		Vehicle Speed: 40					
Barrier Near Lane	CL Dist:	0		Centerline Separation: 43					
Barrier Far lane C	L Dist:	0		NOISE INPUTS					
Pad Elevation:		0.5		Site condition	ns HARD S I	TE			
Road Elevation:		0			F	LEET MIX			
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 9	0	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE S	Heavy Truck	0.865	0.027	0.108	0.0074				
Autos:		0							
Medium Trucks:		2.3							
4 — .		_							

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	57.9	66.7	64.9	58.9	67.5	68.1					
Medium Trucks:	66.9	58.8	52.4	50.9	59.4	59.6					
Heavy Trucks:	71.7	59.8	50.7	52.0	61.7	61.8					
Vehicle Noise:	74.1	68.3	65.4	60.4	69.0	69.5					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn Cl											
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	1063
65 dBA	336
70 dBA	106
Mitigated	
60 dBA	
65 dBA	
70 dBA	

Medium Trucks: Heavy Trucks:



Project Name: DWP Specific Plan Amendment Project Scenario: Future
Analyst: Kelly Chiene Job #: 10-107353

Roadway: PCH

Medium Trucks:

Medium Trucks:

Heavy Trucks:

Vehicle Noise:

Road Segment: South of Main Street/Bolsa Avenue

66.4

71.2

73.6

	PROJE	CT DATA			8	SITE DATA		
Centerline D	ist to Barrier	0		Road Grade:		0		
Barrier (0=w	all, 1= berm):	0		Average Dail	y Traffic:	40051		
Receiver Ba	rrier Dist:	0		Peak Hour Tr	affic:	4005.1		
Centerline D	ist. To Observer	r: 100		Vehicle Spee	d:	40		
Barrier Near	Lane CL Dist:	0		Centerline Se	eparation:	42		
Barrier Far la	ane CL Dist:	0			NO	ISE INPUT	S	
Pad Elevatio	on:	0.5		Site condition	is HARD SI	TE		
Road Elevat	ion:	0			F	LEET MIX		
Observer He	eight (above grad	de): 0		Туре	Day	Evening	Night	Daily
Barrier Heigl	ht:	0		Auto	0.775	0.129	0.096	0.9742
Rt View:	90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NO	ISE SOURCE E	LEVATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						

51.9

50.2

64.9

50.3

51.4

59.9

Heavy Trucks:		8				
UNMITI	GATED NOIS	E LEVELS	(No topograph	ic or barrier	attenuatior	1)
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	57.4	66.2	64.4	58.3	67.0	67

2.3

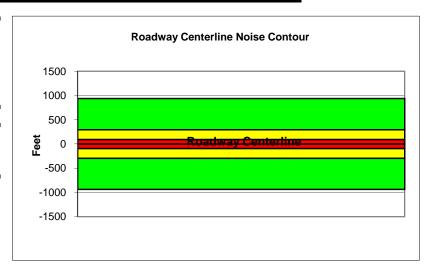
58.3

59.3

67.8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)						
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:						
Medium Trucks:						
Heavy Trucks:						
Vehicle Noise:						

CENTERLINE NOISE CONTOUR					
Unmitigated					
60 dBA	938				
65 dBA	297				
70 dBA	94				
Mitigated					
60 dBA					
65 dBA					
70 dBA					



58.8

61.2

68.5

59.1

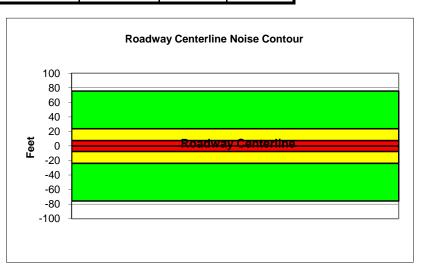
61.3

	Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)									
Project Name:	DWP Specific Pla	an Amendmer	nt Projec	ct	Scenario:	Future				
Analyst:	Kelly Chiene				Job #:	10-107353				
Roadway:	Bolsa Avenue									
Road Segment:	East of PCH									
	PROJECT DATA	4			S	ITE DATA				
Centerline Dist to B	Barrier	0		Road Grade:		0				
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	6124				
Receiver Barrier Di	st:	0		Peak Hour Ti	raffic:	612.4				
Centerline Dist. To	Observer:	100		Vehicle Speed:		30				
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	12				
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S			
Pad Elevation:		0.5		Site condition	ns HARD SI	TE				
Road Elevation:		0		FLEET MIX						
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft V	iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE SO	OURCE ELEVATI	ONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	icle Type Peak Leq Leq Day Leq Evening Leq Night Ldn								
Autos:	46.2	55.0	53.2	47.1	55.7	56.3			
Medium Trucks:	56.8	48.7	42.3	40.8	49.2	49.5			
Heavy Trucks:	62.4	50.5	41.4	42.7	52.8	52.9			
Vehicle Noise:	65.0	57.4	53.9	49.6	58.1	58.5			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	76
65 dBA	24
70 dBA	8
Mitigated	
60 dBA	
65 dBA	
70 dBA	



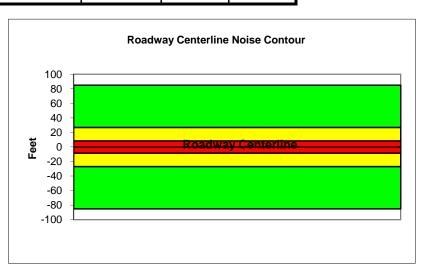
		Federal Highw	ay Adr	ninistration F	RD-77-108					
Project Name:	Traffic Noise Prediction Model (CALVENO) Project Name: DWP Specific Plan Amendment Project Scenario: Future									
	Kelly Chien		it Projec	JI.	Job #:	10-107353				
Analyst: Roadway:	1st Street	5			JUD #.	10-107353				
•		rino Drivo								
Road Segment:	North of Ma			1						
	PROJECT	DATA				SITE DATA				
Centerline Dist to	Barrier	0		Road Grade:		0				
Barrier (0=wall, 1=	= berm):	0		Average Dail	•	3636				
Receiver Barrier D	Dist:	0		Peak Hour Traffic: 363.6						
Centerline Dist. To	Observer:	100		Vehicle Speed: 40						
Barrier Near Lane	CL Dist:	0		Centerline Separation: 40						
Barrier Far lane C	L Dist:	0			NC	ISE INPUT	S			
Pad Elevation:		0.5		Site condition	ns HARD S I	TE				
Road Elevation:		0			F	LEET MIX				
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily		
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742		
Rt View: 9	0	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE S	NOISE SOURCE ELEVATIONS (Feet)				0.865	0.027	0.108	0.0074		
Autos:		0								
Medium Trucks:		2.3								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	47.0	55.8	54.0	47.9	56.6	57.2			
Medium Trucks:	56.0	47.9	41.5	40.0	48.4	48.7			
Heavy Trucks:	60.8	48.9	39.8	41.1	50.8	50.9			
Vehicle Noise:	63.2	57.4	54.5	49.5	58.1	58.6			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	85
65 dBA	27
70 dBA	8
Mitigated	
60 dBA	
65 dBA	
70 dBA	

Heavy Trucks:



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)** Project Name: **DWP Specific Plan Amendment Project** Scenario: Future 10-107353 Analyst: Kelly Chiene Job #: Roadway: 1st Street Road Segment: South of Marina Drive PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 4511 Receiver Barrier Dist: Peak Hour Traffic: 451.1 0 Centerline Dist. To Observer: Vehicle Speed: 100 30 Barrier Near Lane CL Dist: 0 Centerline Separation: 16.5 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 Road Elevation: 0 **FLEET MIX** Observer Height (above grade): 0 Day Evening Night Daily Type Barrier Height: 0.9742 0 Auto 0.775 0.129 0.096

-90

Med. Truck

Heavy Truck

0.848

0.865

0.049

0.027

0.103

0.108

0.0184

0.0074

Autos: 0
Medium Trucks: 2.3
Heavy Trucks: 8

NOISE SOURCE ELEVATIONS (Feet)

Lft View:

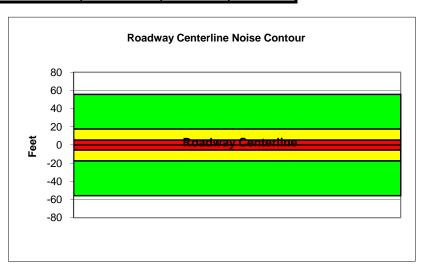
90

Rt View:

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	44.8	53.5	51.8	45.7	54.3	54.9				
Medium Trucks:	55.4	47.3	40.9	39.3	47.8	48.1				
Heavy Trucks:	61.0	49.1	40.0	41.2	51.4	51.5				
Vehicle Noise:	63.5	56.0	52.5	48.2	56.7	57.1				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOIS	SE CONTOUR
Unmitigated	
60 dBA	56
65 dBA	18
70 dBA	6
Mitigated	
60 dBA	
65 dBA	
70 dBA	

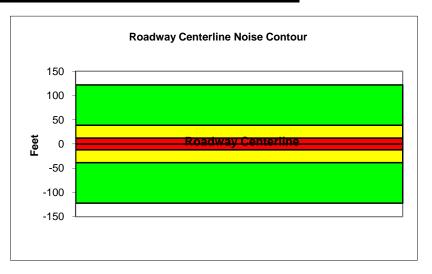


	Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)									
Project Name:	DWP Specific Plan	Amendment Proje	ct	Scenario:	Future					
Analyst:	Kelly Chiene	·		Job #:	10-107353					
Roadway:	Marina Drive									
Road Segment:	West of 1st Street									
	PROJECT DATA			S	ITE DATA					
Centerline Dist to Ba	arrier	0	Road Grade:		0					
Barrier (0=wall, 1= b	erm):	0	Average Dail	y Traffic:	7081					
Receiver Barrier Dis	st:	0	Peak Hour T	raffic:	708.1					
Centerline Dist. To 0	Observer:	100	Vehicle Speed:		35					
Barrier Near Lane C	L Dist:	0	Centerline Se	eparation:	31					
Barrier Far lane CL	Dist:	0		NO	ISE INPUT	S				
Pad Elevation:		0.5	Site condition	ns HARD S I	TE					
Road Elevation:		0	FLEET MIX							
Observer Height (ab	ove grade):	0	Туре	Day	Evening	Night	Daily			
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742			
Rt View: 90	Lft Viev	w: -90	Med. Truck	0.848	0.049	0.103	0.0184			
NOISE SC	URCE ELEVATIO	NS (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074			
Autos:		0								
Medium Trucks:		2.3								
Heavy Trucks:		8								

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	48.4	57.2	55.4	49.3	58.0	58.6				
Medium Trucks:	58.1	50.0	43.7	42.1	50.6	50.8				
Heavy Trucks:	63.3	51.4	42.3	43.6	53.5	53.6				
Vehicle Noise:	65.8	59.1	56.0	51.3	59.8	60.3				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	122						
65 dBA	39						
70 dBA	12						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

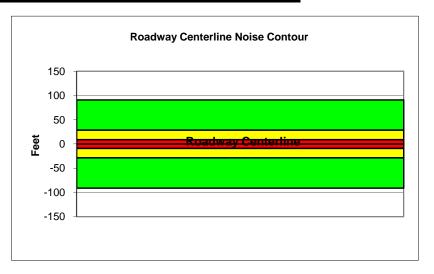


		Federal High Traffic Noise		ninistration F				
Project Name:	DWP Specifi	ic Plan Amendm	ent Projed	ct	Scenario:	Future		
Analyst:	Kelly Chiene	!			Job #:	10-107353		
Roadway:	Marina Drive)						
Road Segment:	East of 1st S	Street						
	PROJECT D	DATA			S	SITE DATA		
Centerline Dist to I	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	5270		
Receiver Barrier D	ist:	0		Peak Hour Ti	raffic:	527		
Centerline Dist. To	Observer:	100		Vehicle Speed: 3		35		
Barrier Near Lane	CL Dist:	0		Centerline Se	eparation:	11.5		
Barrier Far lane Cl	_ Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD SI	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775			0.9742
Rt View: 90) ا	_ft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE S	OURCE ELEV	/ATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	47.5	56.2	54.5	48.4	57.0	57.6				
Medium Trucks:	57.2	49.1	42.7	41.2	49.6	49.9				
Heavy Trucks:	62.4	50.5	41.4	42.6	52.5	52.7				
Vehicle Noise:	64.8	58.2	55.0	50.3	58.9	59.4				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	91						
65 dBA	29						
70 dBA	9						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO) Project Name: **DWP Specific Plan Amendment Project** Scenario: Future Plus Project Analyst: Kelly Chiene Job #: 10-107353 Roadway: PCH Road Segment: North of 1st St. PROJECT DATA SITE DATA Centerline Dist to Barrier 0 Road Grade: 0 Barrier (0=wall, 1= berm): 0 Average Daily Traffic: 46021 Receiver Barrier Dist: Peak Hour Traffic: 4602.1 0 Centerline Dist. To Observer: Vehicle Speed: 100 40 Barrier Near Lane CL Dist: 0 Centerline Separation: 40 **NOISE INPUTS** Barrier Far lane CL Dist: 0 Site conditions HARD SITE Pad Elevation: 0.5 FLEET MIX Road Elevation: 0 Observer Height (above grade): 0 Day Evening Night Daily Type 0.9742 Barrier Height: 0 Auto 0.775 0.129 0.096 Rt View: 90 Lft View: -90 Med. Truck 0.848 0.049 0.103 0.0184

Heavy Truck

0.865

0.027

0.108

0.0074

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	58.1	66.8	65.0	59.0	67.6	68.2				
Medium Trucks:	67.0	58.9	52.6	51.0	59.5	59.7				
Heavy Trucks:	71.9	59.9	50.9	52.1	61.8	61.9				
Vehicle Noise:	74.2	68.4	65.5	60.5	69.1	69.6				

2.3

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

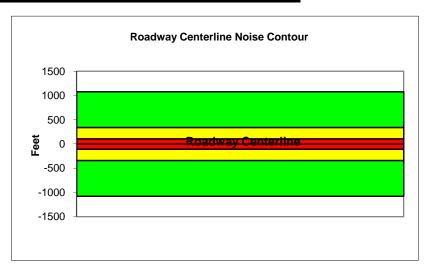
CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	1079						
65 dBA	341						
70 dBA	108						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

NOISE SOURCE ELEVATIONS (Feet)

Autos:

Medium Trucks:

Heavy Trucks:



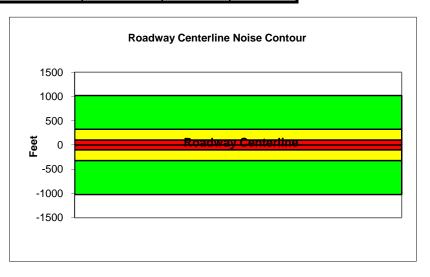
Federal Highway Administration RD-77-108

		Traffic Noise		ion Model (C					
Project Name:	DWP Specific	Plan Amendme	ent Projed	, ,					
Analyst:	Kelly Chiene		-		Job #:	10-107353	-		
Roadway:	PCH								
Road Segment:	South of 1st S	St.							
	PROJECT D	ATA			5	SITE DATA			
Centerline Dist to E	Barrier	0		Road Grade:		0			
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	43581			
Receiver Barrier Di	ist:	0		Peak Hour Tr	affic:	4358.1			
Centerline Dist. To	Observer:	100		Vehicle Speed:		40			
Barrier Near Lane	CL Dist:	0		Centerline Separation:		43			
Barrier Far lane CL	Dist:	0		NOISE INPUTS					
Pad Elevation:		0.5		Site condition	is HARD S I	TE			
Road Elevation:		0			F	LEET MIX			
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 90	L	ft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184	
NOISE SOURCE ELEVATIONS (Feet)			Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0							
Medium Trucks:		2.3							
Heavy Trucks:		8							

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:	57.8	66.6	64.8	58.7	67.3	67.9					
Medium Trucks:	66.7	58.7	52.3	50.7	59.2	59.4					
Heavy Trucks:	71.6	59.6	50.6	51.8	61.5	61.6					
Vehicle Noise:	73.9	68.1	65.2	60.3	68.8	69.3					

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	1023						
65 dBA	323						
70 dBA	102						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)** Project Name: DWP Specific Plan Amendment Project Scenario: Future Plus Project Job #:

Analyst: Kelly Chiene

PCH Roadway:

Medium Trucks:

Heavy Trucks:

Vehicle Noise:

Road Segment: Between Marina Drive and Main Street/Bolsa Avenue

	PROJECT DATA			SITE DATA				
Centerline D	ist to Barrier	0		Road Grade: 0				
Barrier (0=wa	all, 1= berm):	0		Average Dail	y Traffic:	45508		
Receiver Bar	rrier Dist:	0		Peak Hour Tr	affic:	4550.8		
Centerline D	ist. To Observer:	100		Vehicle Spee	d:	40		
Barrier Near	Lane CL Dist:	0		Centerline Se	eparation:	43		
Barrier Far la	ane CL Dist:	0			NO	ISE INPUT	S	
Pad Elevatio	n:	0.5		Site condition	is HARD S I	TE		
Road Elevati	ion:	0			F	LEET MIX		
Observer He	eight (above grade	e): 0		Туре	Day	Evening	Night	Daily
Barrier Heigh	nt:	0		Auto	0.775	0.129	0.096	0.9742
Rt View:	90	Lft View:	-90	0 Med. Truck 0.848 0.049 0.103 0.0184				
NO	NOISE SOURCE ELEVATIONS (Feet)			Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						

UNMITIG	ATED NOIS	F I FVFI S ((No topograph	ic or barrier	attenuation	1)
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL
Autos:	58.0	66.7	65.0	58.9	67.5	68.1
Medium Trucks:	66.9	58.8	52.5	50.9	59.4	59.6
Heavy Trucks:	71.8	59.8	50.8	52.0	61.7	61.8

65.4

60.4

2.3

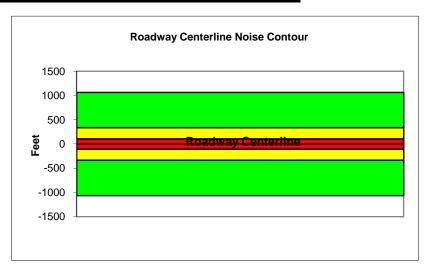
68.3

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR								
Unmitigated								
60 dBA	1066							
65 dBA	337							
70 dBA	107							
Mitigated								
60 dBA								
65 dBA								
70 dBA								

74.1



69.0

69.5

10-107353

Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)

Project Name: DWP Specific Plan Amendment Project Scenario: Future Plus Project

Analyst: Kelly Chiene Job #: 10-107353

Roadway: PCH

Road Segment: South of Main Street/Bolsa Avenue

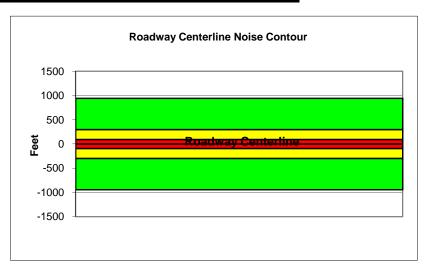
PROJECT DATA			SITE DATA				
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	40177		
Receiver Barrier Dist:	0		Peak Hour Tr	affic:	4017.7		
Centerline Dist. To Observer:	100		Vehicle Spee	d:	40		
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	42		
Barrier Far lane CL Dist:	0			NO	ISE INPUT	S	
Pad Elevation:	0.5		Site condition	is HARD SI	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELE		Heavy Truck	0.865	0.027	0.108	0.0074	

Autos: 0
Medium Trucks: 2.3
Heavy Trucks: 8

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL						
Autos:	57.4	66.2	64.4	58.3	67.0	67.6						
Medium Trucks:	66.4	58.3	51.9	50.4	58.9	59.1						
Heavy Trucks:	71.2	59.3	50.2	51.5	61.2	61.3						
Vehicle Noise:	73.6	67.8	64.9	59.9	68.5	69.0						

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)											
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL					
Autos:											
Medium Trucks:											
Heavy Trucks:											
Vehicle Noise:											

CENTERLINE NOISE CONTOUR								
Unmitigated								
60 dBA	942							
65 dBA	298							
70 dBA	94							
Mitigated								
60 dBA								
65 dBA								
70 dBA								

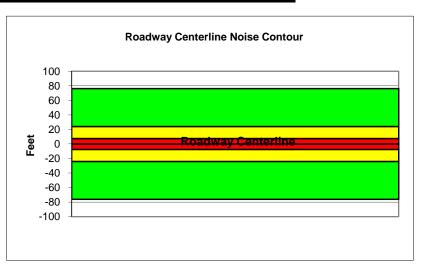


		ederal Highw						
Project Name:	DWP Specific Pl	an Amendmer	nt Projec	ct	Scenario:	Future Plus	s Project	
Analyst:	Kelly Chiene				Job #:	10-107353		
Roadway:	Bolsa Avenue							
Road Segment:	East of PCH							
	PROJECT DATA	A			S	ITE DATA		
Centerline Dist to B	arrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	6166		
Receiver Barrier Di	st:	0		Peak Hour Ti	affic:	616.6		
Centerline Dist. To	Observer:	100		Vehicle Spee	d:	30		
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	12		
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	is HARD S I	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft V	iew:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SO	OURCE ELEVATI	IONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIG	UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)											
Vehicle Type Peak Leq Leq Day Leq Evening Leq Night Ldn												
Autos:	46.2	55.0	53.2	47.1	55.8	56.4						
Medium Trucks:	56.8	48.7	42.4	40.8	49.3	49.5						
Heavy Trucks:	62.5	50.5	41.5	42.7	52.8	52.9						
Vehicle Noise:	65.0	57.5	53.9	49.6	58.2	58.6						

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	76						
65 dBA	24						
70 dBA	8						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 **Traffic Noise Prediction Model (CALVENO)**

Project Name: DWP Specific Plan Amendment Project Scenario: Future Plus Project

Analyst: Kelly Chiene

Roadway: 1st Street

Heavy Trucks:

North of Marina Drive Road Segment:

PROJECT DATA				S	SITE DATA		
Centerline Dist to Barrier	0		Road Grade:		0		
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	4001		
Receiver Barrier Dist:	0		Peak Hour Ti	raffic:	400.1		
Centerline Dist. To Observer:	100		Vehicle Spee	ed:	40		
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	40		
Barrier Far lane CL Dist:	0			NO	ISE INPUT	S	
Pad Elevation:	0.5		Site condition	ns HARD SI	TE		
Road Elevation:	0			F	LEET MIX		
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SOURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:	0						
Medium Trucks:	2.3						

Job #:

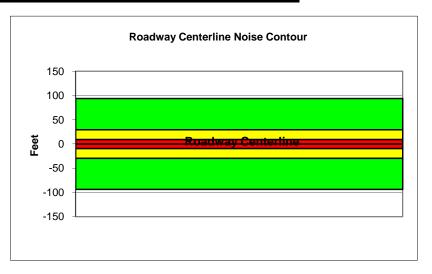
10-107353

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	47.4	56.2	54.4	48.4	57.0	57.6				
Medium Trucks:	56.4	48.3	41.9	40.4	48.9	49.1				
Heavy Trucks:	61.2	49.3	40.3	41.5	51.2	51.3				
Vehicle Noise:	63.6	57.8	54.9	49.9	58.5	59.0				

8

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	94						
65 dBA	30						
70 dBA	9						
Mitigated							
60 dBA							
65 dBA							
70 dBA							



Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)

Job #:

0.865

10-107353

0.027

0.108

0.0074

Project Name: DWP Specific Plan Amendment Project Scenario: Future Plus Project

Analyst: Kelly Chiene

Roadway: 1st Street

Road Segment: South of Marina Drive

PROJECT	PROJECT DATA			SITE DATA				
Centerline Dist to Barrier	0		Road Grade:		0			
Barrier (0=wall, 1= berm):	0		Average Dail	y Traffic:	4927			
Receiver Barrier Dist:	0		Peak Hour Tr	raffic:	492.7			
Centerline Dist. To Observer:	100		Vehicle Spee	ed:	30			
Barrier Near Lane CL Dist:	0		Centerline Se	eparation:	16.5			
Barrier Far lane CL Dist:	0			NO	ISE INPUT	S		
Pad Elevation:	0.5		Site condition	ns HARD SI	TE			
Road Elevation:	0			F	LEET MIX			
Observer Height (above grade):	0		Туре	Day	Evening	Night	Daily	
Barrier Height:	0		Auto	0.775	0.129	0.096	0.9742	
Rt View: 90	Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184	

Heavy Truck

Autos: 0
Medium Trucks: 2.3

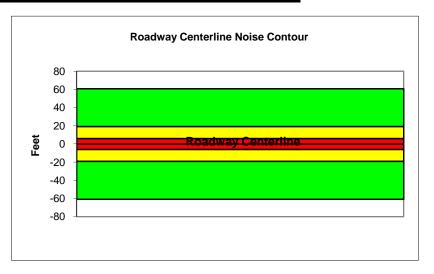
NOISE SOURCE ELEVATIONS (Feet)

Heavy Trucks: 2.3
Heavy Trucks: 8

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	45.2	53.9	52.1	46.1	54.7	55.3				
Medium Trucks:	55.8	47.7	41.3	39.7	48.2	48.5				
Heavy Trucks:	61.4	49.5	40.4	41.6	51.8	51.9				
Vehicle Noise:	63.9	56.4	52.9	48.5	57.1	57.5				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:										
Medium Trucks:										
Heavy Trucks:										
Vehicle Noise:										

CENTERLINE NOISE CONTOUR							
Unmitigated							
60 dBA	61						
65 dBA	19						
70 dBA	6						
Mitigated							
60 dBA							
65 dBA							
70 dBA							

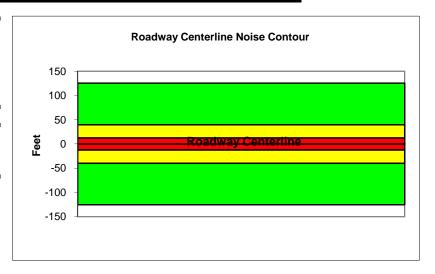


		Federal Highv Traffic Noise						
Project Name:	DWP Specif	ic Plan Amendmer				Future Plus	s Project	
Analyst:	Kelly Chiene		•		Job #:	10-107353	•	
Roadway:	Marina Drive	Э						
Road Segment:	West of 1st	Street						
	PROJECT	DATA			S	SITE DATA		
Centerline Dist to B	Barrier	0		Road Grade:		0		
Barrier (0=wall, 1=	berm):	0		Average Dail	y Traffic:	7271		
Receiver Barrier Dis	st:	0		Peak Hour Tr	raffic:	727.1		
Centerline Dist. To	Observer:	100		Vehicle Spee	ed:	35		
Barrier Near Lane (CL Dist:	0		Centerline Se	eparation:	31		
Barrier Far lane CL	Dist:	0			NO	ISE INPUT	S	
Pad Elevation:		0.5		Site condition	ns HARD SI	TE		
Road Elevation:		0			F	LEET MIX		
Observer Height (a	bove grade):	0		Туре	Day	Evening	Night	Daily
Barrier Height:		0		Auto	0.775	0.129	0.096	0.9742
Rt View: 90		Lft View:	-90	Med. Truck	0.848	0.049	0.103	0.0184
NOISE SO	OURCE ELE	VATIONS (Feet)		Heavy Truck	0.865	0.027	0.108	0.0074
Autos:		0						
Medium Trucks:		2.3						
Heavy Trucks:		8						

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)										
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL				
Autos:	48.5	57.3	55.5	49.4	58.1	58.7				
Medium Trucks:	58.2	50.2	43.8	42.2	50.7	50.9				
Heavy Trucks:	63.5	51.5	42.5	43.7	53.6	53.7				
Vehicle Noise:	65.9	59.2	56.1	51.4	59.9	60.4				

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)								
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL		
Autos:								
Medium Trucks:								
Heavy Trucks:								
Vehicle Noise:								

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	125					
65 dBA	40					
70 dBA	13					
Mitigated						
60 dBA						
65 dBA						
70 dBA						

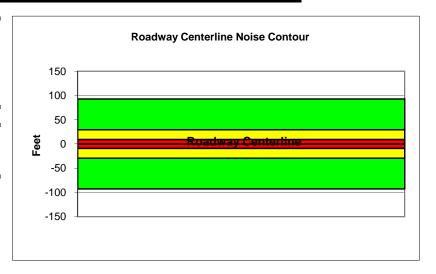


Federal Highway Administration RD-77-108 Traffic Noise Prediction Model (CALVENO)									
Project Name:									
Analyst:	Kelly Chiene	•		Job #:	10-107353				
Roadway:	Marina Drive								
Road Segment:	East of 1st Street								
	PROJECT DATA			5	SITE DATA				
Centerline Dist to B	Barrier	0	Road Grade:		0				
Barrier (0=wall, 1=	berm):	0	Average Dail	y Traffic:	5382				
Receiver Barrier Di	st:	0	Peak Hour T	raffic:	538.2				
Centerline Dist. To	Observer:	100	Vehicle Spee	ed:	35				
Barrier Near Lane (CL Dist:	0	Centerline Se	eparation:	11.5				
Barrier Far lane CL	Dist:	0		NC	ISE INPUT	S			
Pad Elevation:		0.5	Site condition	ns HARD S I	TE				
Road Elevation:		0		F	LEET MIX				
Observer Height (a	bove grade):	0	Туре	Day	Evening	Night	Daily		
Barrier Height:		0	Auto	0.775	0.129	0.096	0.9742		
Rt View: 90	Lft Vie	w: -9	Med. Truck	0.848	0.049	0.103	0.0184		
NOISE SO	OURCE ELEVATIO	NS (Feet)	Heavy Truck	0.865	0.027	0.108	0.0074		
Autos:		0							
Medium Trucks:		2.3							
Heavy Trucks:		8							

UNMITIGATED NOISE LEVELS (No topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:	47.6	56.3	54.5	48.5	57.1	57.7			
Medium Trucks:	57.3	49.2	42.8	41.3	49.7	50.0			
Heavy Trucks:	62.5	50.6	41.5	42.7	52.6	52.8			
Vehicle Noise:	64.9	58.3	55.1	50.4	59.0	59.4			

MITIGATED NOISE LEVELS (With topographic or barrier attenuation)									
Vehicle Type	Peak Leq	Leq Day	Leq Evening	Leq Night	Ldn	CNEL			
Autos:									
Medium Trucks:									
Heavy Trucks:									
Vehicle Noise:									

CENTERLINE NOISE CONTOUR						
Unmitigated						
60 dBA	93					
65 dBA	29					
70 dBA	9					
Mitigated						
60 dBA						
65 dBA						
70 dBA						



Report date: 9/14/2011 Case Descript Demolition

---- Receptor #1 ----

Baselines (dBA)

Description Land Use Daytime Evening Night

North Residential 1 1 1

uipment

	Impact		Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40)	80.7	300	0
Excavator	No	40)	80.7	300	0
Concrete Saw	No	20)	89.6	300	0
Excavator	No	40)	80.7	300	0
Dozer	No	40)	81.7	300	0
Dozer	No	40)	81.7	300	0

	Calculated (dB	BA)	Noise L	imits (dBA)				Noise	Limit Excee	dance	(dBA)	
		Day		Evening	5	Night		Day		Evening		Night	
Equipment	*Lmax Le	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	65.1	61.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	65.1	61.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Concrete Saw	74	67 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	65.1	61.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	66.1	62.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	66.1	62.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	74	70.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{*}Calculated Lmax is the Loudest value.

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Description Land Use Daytime Evening Night
East Residential 1 1 1

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		Spec	Actual	Receptor	Estimated
	Impact	Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%) (dBA)	(dBA)	(feet)	(dBA)
Excavator	No	40	80.7	155	0
Excavator	No	40	80.7	530	0
Concrete Saw	No	20	89.6	530	0
Excavator	No	40	80.7	530	0
Dozer	No	40	81.7	530	0
Dozer	No	40	81.7	530	0

	Calculated (dBA)		Noise L	Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
		Day		Evening	3	Night		Day		Evening		Night		
Equipment	*Lmax Le	q Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Excavator	70.9	66.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	60.2	56.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Concrete Saw	69.1	62.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Excavator	60.2	56.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dozer	61.2	57.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dozer	61.2	57.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	70.9	69.2 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

^{*}Calculated Lmax is the Loudest value.

Report date: 9/14/2011 Case Descript Grading

---- Receptor #1 ----

Baselines (dBA)

Description Land Use Daytime Evening Night
North Residential 1 1

Equipment

			Spec	Actua	I	Receptor	Estimated
	Impact		Lmax	Lmax		Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)		(feet)	(dBA)
Excavator	No	40)		80.7	85	0
Excavator	No	40)		80.7	85	0
Grader	No	40)	85		85	0
Excavator	No	40)		80.7	85	0
Dozer	No	40)		81.7	85	0
Scraper	No	40)		83.6	85	0
Scraper	No	40)		83.6	85	0
Tractor	No	40)	84		85	0
Tractor	No	40)	84		85	0

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		Calculated (dBA)		Noise Li	Noise Limits (dBA)					Noise Limit Exceedance (dBA)						
					Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator		76.1	Ĺ	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		76.1	Ĺ	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader		80.4	ļ	76.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator		76.1	Ĺ	72.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer		77.1	L	73.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper		79)	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper		79)	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	ļ	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor		79.4	ļ	75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Т	otal	80.4	ļ	83.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{*}Calculated Lmax is the Loudest value.

Baselines (dBA)

Description Land Use Daytime Evening Night
East Residential 1 1 1

Equipment

			Spec	Act	ual	Receptor	Estimated		
	Impact		Lmax	Lm	ax	Distance	Shielding		
Description	Device	Usage(%)	(dBA)	(dB	A)	(feet)	(dBA)		
Excavator	No	40)		80.7	60	0		
Excavator	No	40)		80.7	60	0		
Grader	No	40)	85		60	0		
Excavator	No	40)		80.7	60	0		
Dozer	No	40)		81.7	60	0		
Scraper	No	40)		83.6	60	0		
Scraper	No	40)		83.6	60	0		
Tractor	No	40)	84		60	0		
Tractor	No	40)	84		60	0		

	Calculated (dBA)		Noise Li	Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
		Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Excavator	79.1	75.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	79.1	75.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Grader	83.4	79.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Excavator	79.1	75.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Dozer	80.1	76.1 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	82	78 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Scraper	82	78 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	82.4	78.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	82.4	78.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	83.4	86.9 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{*}Calculated Lmax is the Loudest value.

Report date: 9/14/2011 Case Descript Paving

---- Receptor #1 ----

Baselines (dBA)

Description Land Use Daytime Evening Night

North Residential 1 1 1

Equipment

		Spec			Actual	Receptor	Estimated	
	Impact			Lmax	Distance	Shielding		
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)	
Paver	No	50			77.2	85	0	
Paver	No	50			77.2	85	0	
All Other Equipment > 5	l No	50		85		85	0	
All Other Equipment > 5	l No	50		85		85	0	
Roller	No	20			80	85	0	
Roller	No	20			80	85	0	

Results

	Calculated	Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)						
			Day			Evening		Night		Day		Evening		Night			
Equipment	*Lmax	Leq	Lma	Х	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq		
Paver	72.0	6	69.6 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Paver	72.	6	69.6 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
All Other Equipment > 5 H	80.4	4	77.4 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
All Other Equipment > 5 H	80.4	4	77.4 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Roller	75.4	4	68.4 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Roller	75.4	4	68.4 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
Total	80.4	4	81.5 N/A		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

^{*}Calculated Lmax is the Loudest value.

Baselines (dBA)

Description Land Use Daytime Evening Night
East Residential 1 1 1

Equipment

			Spec	Actu	al	Receptor	Estimated	
	Impact		Lmax	Lma	X	Distance	Shielding	
Description	Device	Usage(%)	(dBA)	(dBA	١)	(feet)	(dBA)	
Paver	No	50			77.2	68	0	
Paver	No	50			77.2	68	0	
All Other Equipment > 5	l No	50		85		68	0	
All Other Equipment > 5	l No	50		85		68	0	
Roller	No	20			80	68	0	
Roller	No	20			80	68	0	

				-											
	Calculated	, ,		Noise L	Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
		Day			Evening		Night		Day		Evening		Night		
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	
Paver	74.5	5	71.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Paver	74.5	5	71.5 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment > 5 F	82.3	3	79.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
All Other Equipment > 5 F	82.3	3	79.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	77.3	3	70.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Roller	77.3	3	70.3 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Total	82.3	3	83.4 N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

^{*}Calculated Lmax is the Loudest value.

Report date: 9/14/2011 Case Descrip building

---- Receptor #1 ----

Baselines (dBA)

Description Land Use Daytime Evening Night
North Residential 1 1 1

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			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16			80.6	85	0
All Other Equipment > 5	⊦ No	50		85		85	0
All Other Equipment > 5	⊦ No	50		85		85	0
Generator	No	50			80.6	85	0
Tractor	No	40		84		85	0
Welder / Torch	No	40			74	85	0
Welder / Torch	No	40	1		74	85	0
Welder / Torch	No	40			74	85	0

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	Calculated	(dBA)			Noise Li	mits (dBA)					Noise L	imit Excee	dance (c	IBA)	
				Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax	Leq		Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	75.9		68	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 H	80.4		77.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 H	80.4		77.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	76		73	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	79.4		75.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4		65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4		65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	69.4		65.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	80.4		82.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{*}Calculated Lmax is the Loudest value.

Baselines (dBA)

Description Land Use Daytime Evening Night
East Residential 1 1 1

Equipment

			Spec		Actual	Receptor	Estimated
	Impact		Lmax		Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)		(dBA)	(feet)	(dBA)
Crane	No	16			80.6	68	0
All Other Equipment > 5 H	· No	50		85		68	0
All Other Equipment > 5 H	· No	50		85		68	0
Generator	No	50			80.6	68	0
Tractor	No	40		84		68	0
Welder / Torch	No	40			74	68	0
Welder / Torch	No	40			74	60	0
Welder / Torch	No	40			74	60	0

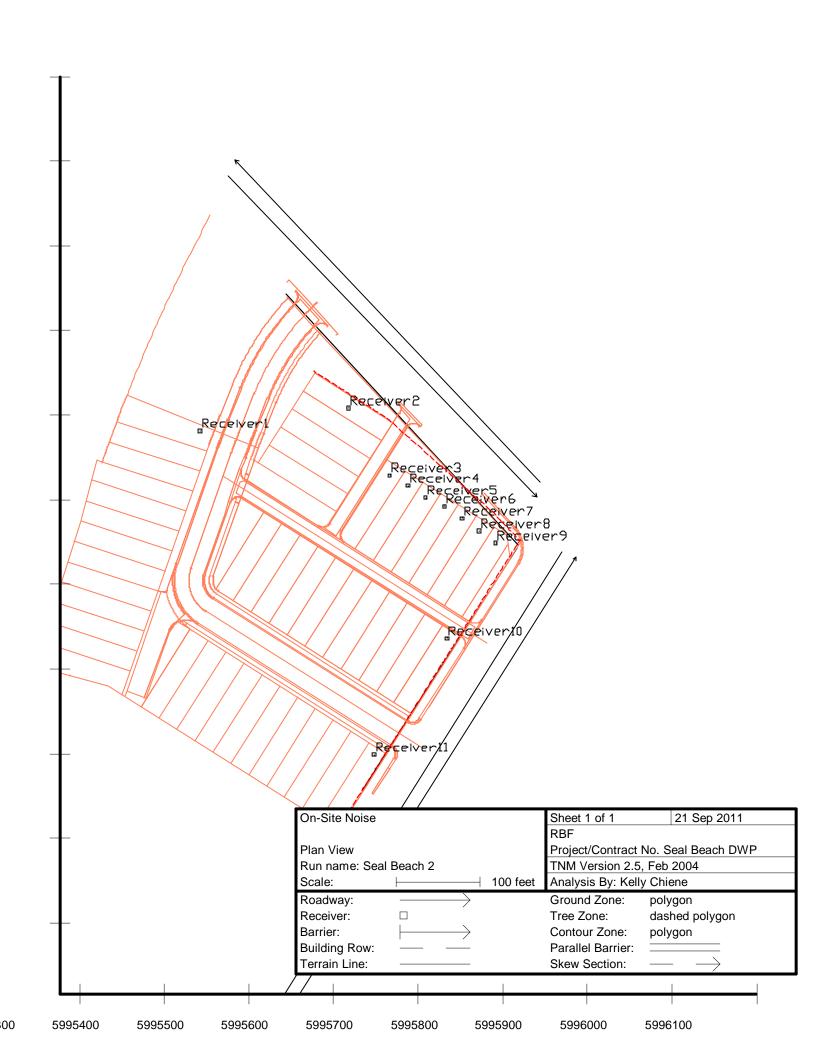
Resu	ltς

	Calculated (d	dBA)	N	Noise Limits (dBA)						Noise Li	oise Limit Exceedance (dBA)			
		D	Day		Evening		Night		Day		Evening		Night	
Equipment	*Lmax L	eq L	_max L	eq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Crane	77.9	69.9 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 H	82.3	79.3 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
All Other Equipment > 5 H	82.3	79.3 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Generator	78	74.9 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tractor	81.3	77.3 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	71.3	67.3 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	72.4	68.4 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Welder / Torch	72.4	68.4 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	82.3	84.6 N	N/A N	I/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

^{*}Calculated Lmax is the Loudest value.

Report date: 9/14/2011 Case Descrip Coating

Description Land Use North Residentia Description Compressor (air)	Baselines (dBA) Daytime Evening N 1 1 1 E S Impact L	max Lmax	•	mated Ilding A) 0				
Compressor (air)	110 40	77.7	85	O				
Equipment	Calculated (dBA)	•	Evening	Night Lmax Leq	Day	Noise Limit Exceed Evening Leg Lmax	Night	Log
Compressor (air)	73.1 69.1 N	•	Lmax Leq N/A N/A	•		N/A N/A	•	Leq N/A
Total	73.1 69.1 N		N/A N/A			N/A N/A		, N/A
	*Calculated Lmax is the	Loudest value.						
Description Land Use East Residentia	Baselines (dBA) Daytime Evening N	Receptor #2 Night 1						
Description Compressor (air)	S Impact L	.max Lmax	•	mated Ilding A) O				
	R	Results						
	Calculated (dBA)	Noise Limit Day	s (dBA) Evening	Night	Day	Noise Limit Exceed	dance (dBA) Night	
Equipment	*Lmax Leq L	.max Leq	Lmax Leq	Lmax Leq	Lmax	Leq Lmax	_	Leq
Compressor (air)	75 71 N		N/A N/A		•	N/A N/A		N/A
Total	75 71 N		N/A N/A	N/A N/A	N/A	N/A N/A	N/A N/A N	N/A
	*Calculated Lmax is the	Loudest value.						



INPUT: RECEIVERS							Se	al Beach D	WP		
RBF						21 Septem	nber 2011				
Kelly Chiene					TNM 2.5						
INPUT: RECEIVERS											
PROJECT/CONTRACT:	Seal E	Beach D	OWP								
RUN:	On-Si	te Nois	е								
Receiver											
Name	No.	#DUs	Coordinates	(ground)		Height	Input Sour	nd Levels a	nd Criteria	ı	Active
			X	Y	Z	above	Existing	Impact Cri	iteria	NR	in
						Ground	LAeq1h	LAeq1h	Sub'I	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Receiver1	1	1	5,995,441.5	2,220,082.8	13.80	5.00	0.00	66	10.0	8.0	Y
Receiver2	2	2 1	5,995,616.5	2,220,109.8	12.00	5.00	0.00	66	10.0	8.0	Y
Receiver3	3	3 1	5,995,665.5	2,220,030.2	12.50	5.00	0.00	66	10.0	8.0	Y
Receiver4	4	1	5,995,687.0	2,220,018.0	12.30	5.00	0.00	66	10.0	8.0	Y
Receiver5	5	5 1	5,995,708.0	2,220,004.0	12.10	5.00	0.00	66	10.0	8.0	Y
Receiver6	6	5 1	5,995,730.0	2,219,993.8	12.00	5.00	0.00	66	10.0	8.0	Y
Receiver7	7	1	5,995,751.0	2,219,979.2	11.60	5.00	0.00	66	10.0	8.0	Y
Receiver8	8	3 1	5,995,771.0	2,219,964.5	11.30	5.00	0.00	66	10.0	8.0	Y
Receiver9	9) 1	5,995,790.5	2,219,950.2	11.00	5.00	0.00	66	10.0	8.0	Y
Receiver10	10) 1	5,995,733.0	2,219,837.5	13.40	5.00	0.00	66	10.0	8.0	Y
Receiver11	11	1	5,995,647.0	2,219,700.2	14.80	5.00	0.00	66	10.0	8.0	Y

INPUT: ROADWAYS		i .		7	1		Seal I	Beach DWP			
RBF					21 Septembe	er 2011					
Kelly Chiene					TNM 2.5						
INPUT: ROADWAYS							Average	pavement typ	e shall be u	used unles	S
PROJECT/CONTRACT:	Seal Bead	h DWP					a State h	ighway agend	y substant	iates the us	se
RUN:	On-Site N	oise					of a diffe	rent type with	the approv	al of FHW	4
Roadway		Points									
Name	Width	Name	No.	Coordinates	(pavement)		Flow Cor	itrol		Segment	
				X	Y	Z	Control	Speed	Percent	Pvmt	On
							Device	Constraint	Vehicles	Туре	Struct?
									Affected		
	ft			ft	ft	ft		mph	%		
1st St EB	18.0	point1	1	5,995,417.0	2,219,191.0	14.60				Average	
		point2	2	5,995,886.0	2,219,933.5	9.00					
1st St WB	18.0	point3	3	5,995,869.0	2,219,940.2	9.00				Average	
		point4	4	5,995,404.0	2,219,197.5	14.60					
Marina SB	18.0	point5	5	5,995,474.0	2,220,383.8	10.00				Average	
		point6	6	5,995,839.0	2,220,004.5	9.00					
Marina NB	18.0	point7	7	5,995,843.5	2,220,022.0	9.00				Average	
		point8	8	5,995,482.5	2,220,403.2	10.00					

INPUT: TRAFFIC FOR LAeq1h Volumes						Seal	Beach D	WP			1	
RBF				21 Sep	tember 2	2011						
Kelly Chiene				TNM 2	.5							
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	Seal Beach	DWP										
RUN:	On-Site No	ise										
Roadway	Points											
Name	Name	No.	Segmen	t								
			Autos		MTrucks		HTrucks		Buses		Motorcy	cles
			٧	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
1st St EB	point1	1	237	30	5	30	2	30	0	C) C	0
	point2	2										
1st St WB	point3	3	237	30	5	30	2	30	0	C) () C
	point4	4										
Marina SB	point5	5	350	35	7	35	4	35	0	C) () C
	point6	6										
Marina NB	point7	7	350	35	7	35	4	35	0	C) (0
	point8	8										

RESULTS: SOUND LEVELS	Seal Beach DWP
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RESOLIS. SOUND ELVEES						- Oca	ii beacii by	1				
RBF							21 Septen	nber 2011				
Kelly Chiene						TNM 2.5						
							d with TNN	/I 2.5				
RESULTS: SOUND LEVELS												
PROJECT/CONTRACT:		Seal Be	ach DWP									
RUN:		On-Site Noise										
BARRIER DESIGN:		INPUT HEIGHTS						Average	pavement type	shall be used	unless	
								a State h	ighway agency	substantiate	the use	
ATMOSPHERICS:		68 deg	F, 50% RH					of a diffe	rent type with	approval of F	IWA.	
Receiver												
Name	No.	#DUs	Existing	No Barrier					With Barrier			
			LAeq1h	LAeq1h	-	Increase over	existing	Туре	Calculated	Noise Reduc	tion	_
				Calculated	Crit'n	Calculated	Crit'n	Impact	LAeq1h	Calculated	Goal	Calculated
							Sub'l Inc					minus
												Goal
			dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Receiver1	1	1	0.0	54.4	66	54.4	10		54.4	0.0	8	-8.0
Receiver2	2	1	0.0	58.9	66	58.9	10		58.9	0.0	8	-8.0
Receiver3	3	1	0.0	58.0	66	58.0	10		58.0	0.0	8	-8.0
Receiver4	4	1	0.0	58.5	66	58.5	10		58.5	0.0	8	-8.0
Receiver5	5	1	0.0	58.7			10		58.7	0.0	8	
Receiver6	6	1	0.0	59.0					59.0			
Receiver7	7	1	0.0	59.1			10		59.1	0.0		
Receiver8	8		0.0	59.1			10		59.1	0.0		
Receiver9	9		0.0	59.2					59.2			
Receiver10	10	1	0.0	58.2					58.2			
Receiver11	11	1	0.0	57.8	66	57.8	10		57.8	0.0	8	-8.0
Dwelling Units		# DUs	Noise Rec	duction								
			Min	Avg	Max							
			dB	dB	dB							
All Selected		11	0.0	0.0	0.0)						
All Impacted		0	0.0	0.0	0.0)						
All that meet NR Goal		0	0.0	0.0	0.0)						